# WM-BF608

# SERVICE MANUAL

*E Model*

| | |
|---|---|
| Model Name Using Similar Mechanism | New |
| Tape Transport Mechanism Type | MF-WMBF608 |

## SPECIFICATIONS

**Radio section**
Frequency range
FM: 87.6 – 107.9 MHz
AM: 531 – 1,602 kHz
Antenna
FM: Headphones cord antenna
AM: Built-in ferrite bar antenna

**Recording section**
Recording system
. 4-track 2-channel stereo
Input
Microphone input (stereo minijack)
(PLUG IN POWER) sensitivity 0.77 mV (– 60 dB) for lower impedance microphone

**Tape player section and general**
Frequency response (DOLBY NR off)
30 Hz – 15 kHz (with the PB EQ selector set to NORMAL or $CrO_2$/METAL)
Output
Headphones (stereo minijack)
load impedance 8 – 300Ω
Power output
5 mW + 5 mW at DC operation, 16Ω
Power requirements
1.5 V DC
Rechargeable battery
One R6 (size AA) battery
DC IN 1.5 V jack accepts:
- Sony AC-D1M AC power adaptor (optional)
  available in the United Kingdom for use on 240 V AC, 50 Hz
  available in other European countries for use on 220 V AC, 50 Hz
  available in other countries for use on 100 – 120 V AC or 220 – 240 V AC, 50 or 60 Hz
- Sony DCC-70 (optional) for use with 12 V car battery

Battery life (hours)

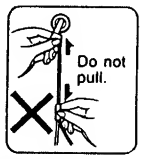
| Battery | Playback | Radio reception | Recording from the built-in radio |
|---|---|---|---|
| Sony SUM-3 (NS) | Approx. 2 | Approx. 2.5 | Approx. 1.5 |
| Sony AM3 (N) | Approx. 5 | Approx. 7 | Approx. 3 |

For maximum performance we recommend the use of alkaline batteries.

Dimensions
Approx. 107.8 × 78.2 × 33.7 mm (w/h/d)
($4^1/_4 \times 3^1/_8 \times 1^3/_8$ inches)
incl. projecting parts and controls
Weight
Approx. 210g (8 oz.) not incl. battery and other accessories
Accessories supplied
Lithium battery (1) Microphone (1)
Microphone stand (1) Belt clip (1)
**For the United Kingdom and other European countries**
Stereo headphones (open-air type, 1)
**For other countries**
Stereo earphones (open-air type, 1)

Ear adaptors are attached on the stereo earphones. If the earphones do not fit your ears, detach the ear adaptors.

**Note on stereo earphone**
Put the cord behind your neck. The knot cannot be moved.




Design and specifications subject to change without notice.

– Continued on page 2 –

RADIO CASSETTE-CORDER

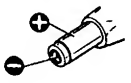
SONY®

**Note**
This appliance conforms with EEC directives 76/889 and 82/499 regarding interference suppression.

**Optional accessories**
AC power adaptor AC-D1M
Battery charger BC-7L, BC-7K
Rechargeable battery NC-6WM, NC-5WM
Car battery cord DCC-70
Lithium battery CR 2016

*Your dealer may not handle some of the above listed optional accessories.Please ask the dealer for detailed information about the optional accessories available in your country.*

**Note**
If a car battery cord or an AC power adaptor not manufactured by Sony is used, a fuse must be installed in the battery cord or the adaptor, and the polarity of the plug must be as illustrated.



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**Flexible Circuit Board Repairing**

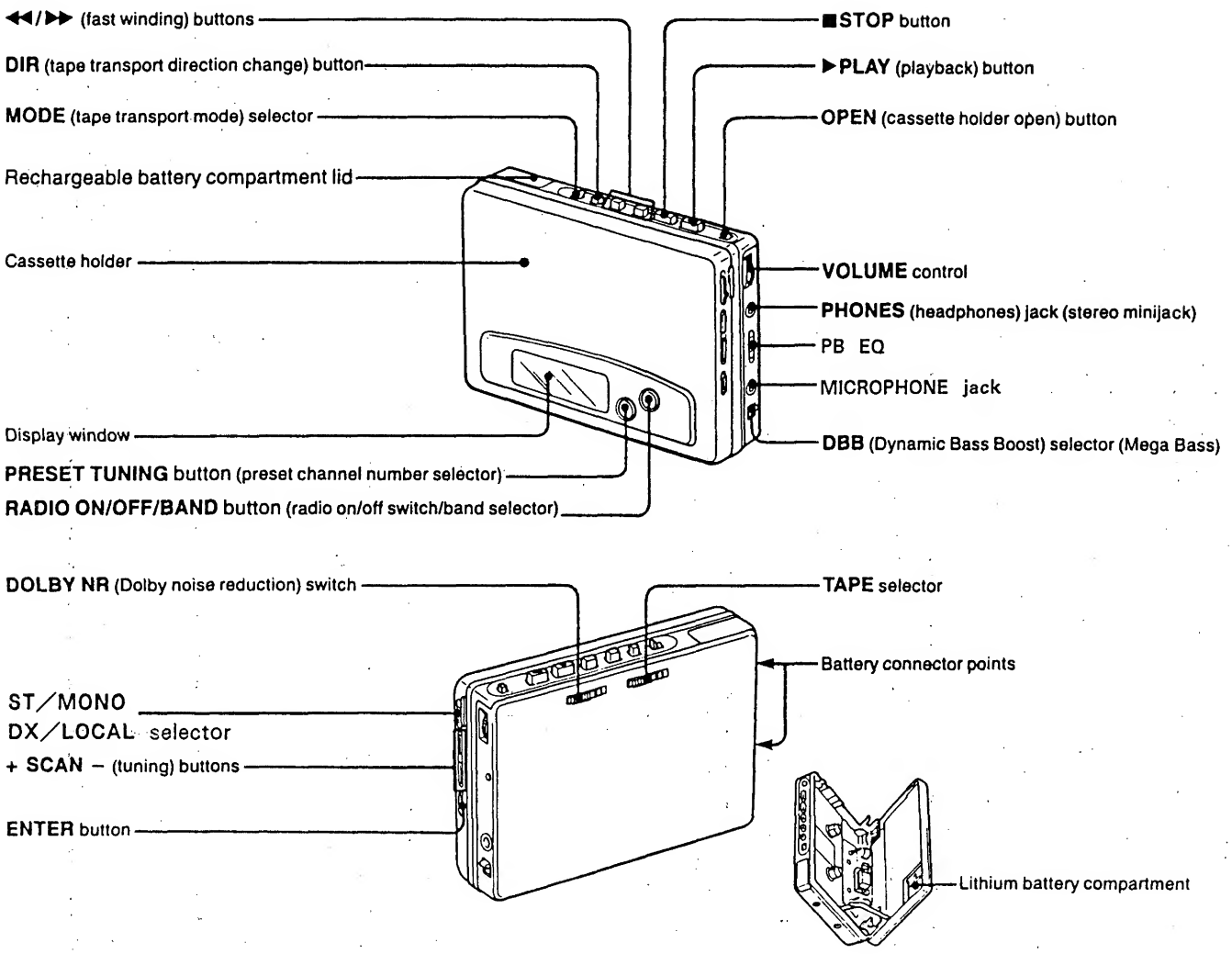
- Keep the temperature of the soldering iron around 270°C during repairing.
- Do not touch the soldering iron on the same conductor of the circuit board (within 3 times).
- Be careful not to apply force on the conductor when soldering or unsoldering.

**Notes on chip component replacement**

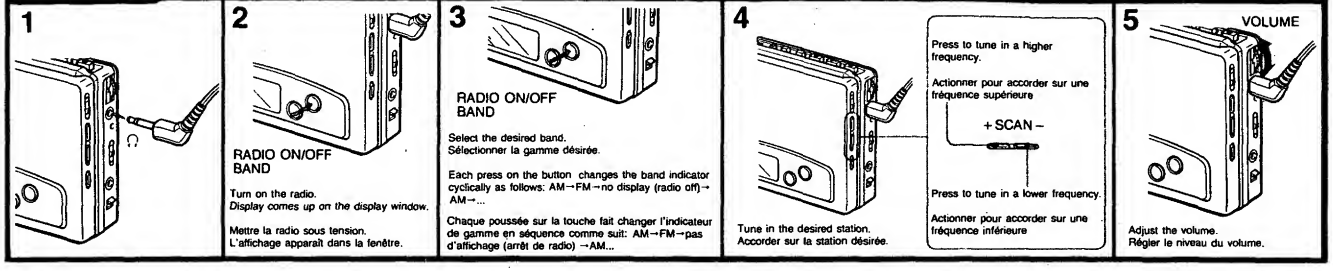
- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

# SECTION 1
# GENERAL

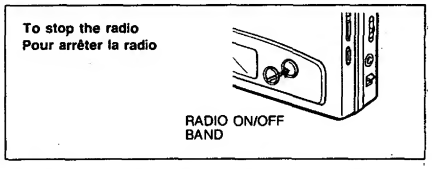
## LOCATION AND FUNCTION OF CONTROLS.



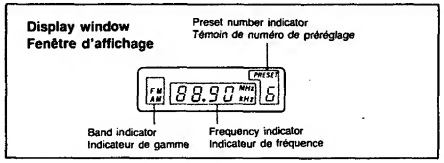
## F Radio Reception / Réception de la radio



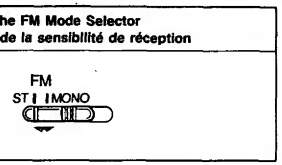

**To stop the radio**
**Pour arrêter la radio**




**Display window**
**Fenêtre d'affichage**



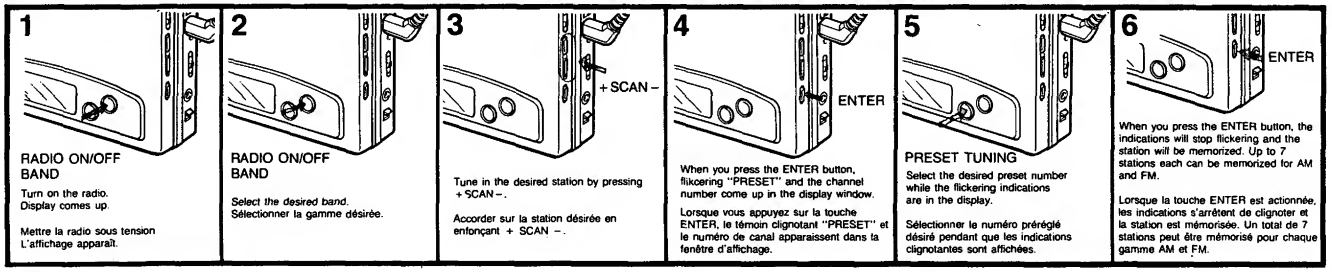

**G How to Use the FM Mode Selector**
**Amélioration de la sensibilité de réception**



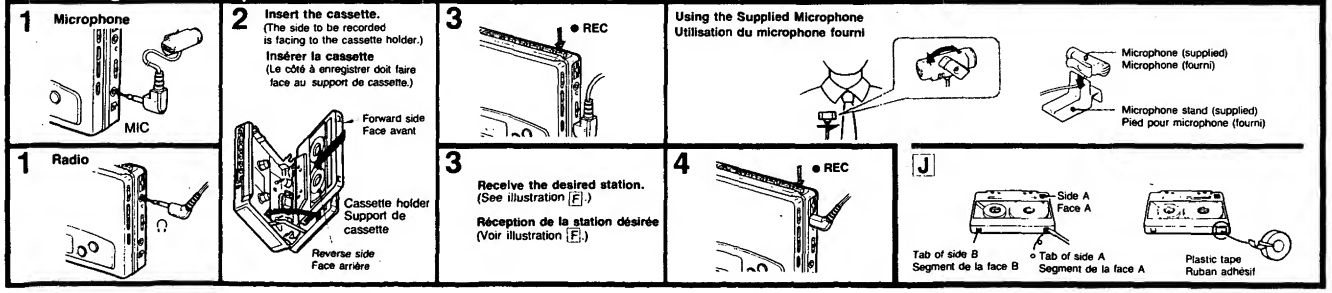

## H Memory Preset Tuning / Accord préréglé mémorisé

**To Memorize Station Frequencies Manually**
**Mémorisation manuelle des fréquences**

**Proceed with Step 4 to 6 quickly as Step 4 and 5 will be canceled if you do not go to the next step within four seconds.**
**Exécuter les étapes 4 à 6 rapidement, du fait que les étapes 4 et 5 seront annulées si l'étape suivante n'est pas exécutée dans les 4 secondes.**




## I Recording with the Supplied Microphone/Recording from the Built-in Radio
## Enregistrement à partir du microphone incorporé/Enregistrement à partir de la radio incorporée




## Radio Reception

(See illustration F.)

**To stop the radio,** press the RADIO ON/OFF BAND button repeatedly until the band indicator disappears.

There are three ways to scan the stations.

**—One step scan**
Press the SCAN button repeatedly. You can scan a desired station manually. A beep sound follows each press and the frequency changes in the steps shown below.

FM: 0.05 MHz
AM: 9 kHz

**—Seeking scan**
You can automatically scan a station with this function. Press the SCAN button for about one second to start scanning. When the desired station is tuned in, press the SCAN button. To continue scanning, press the SCAN button again for about one second.

**—Fast scan**
Use this function to rapidly scan a station.
Keep the SCAN button pressed. Fast scanning starts. Release the button when the scanning comes near a desired frequency. The scanning continues in the seeking scan mode. When the desired station is tuned in, press the SCAN button again.

**Note**
When you press the tape operation buttons ( ▶▶ or ◀◀ ) during radio reception, the indications on the display window will disappear, the radio will be turned off and the unit will go in the tape operation mode (fast-winding).

### To Improve Receiving Condition

**FM**
Since the headphone cord serves as an FM antenna, extend it for better reception.

**AM**
Since the reception is affected by the direction of the unit, move the unit for optimum reception.

**Note**
Be sure to remove the cassette tape if it has metallic cassette shell or metallic labels. Such cassettes may cause interference or difficulty in tuning.

### How to Use the FM Mode Selector

(See illustration G.)

Normally set to FM ST. Set to MONO when it is hard to hear the broadcast due to noise.
The reception will be more stable and noise will be reduced but without stereo effect.

### To Listen to Heavy and Powerful Radio Sound

Set the MEGA BASS selector to the desired position.
The MEGA BASS selector functions even when receiving the radio sound.

**When the battery becomes weak while listening to the radio**
The display may go off and BATT indicator may glow brightly. (The indicator should glow faintly when the battery becomes weak.) If this happens, replace or recharge the battery.

## Memory Preset Tuning

### To Memorize Station Frequencies Manually

(See illustration H.)
Repeat steps 1 to 6 for both AM and FM.

**To turn off the radio,** press the RADIO ON/OFF BAND button repeatedly until the band indicator disappears.

**When flickering stops before you store the stations**
The indicators continue to flicker only for four seconds. If the flickering stops before you store a station, repeat Steps 4 through 6.

### Tuning in a Preset Station

1 Press the RADIO ON/OFF BAND button to turn on the radio.
2 Press the RADIO ON/OFF BAND button until your desired band is shown in the display window.
3 Press the PRESET TUNING button until your desired preset channel number is shown in the display window.
4 Adjust the volume.

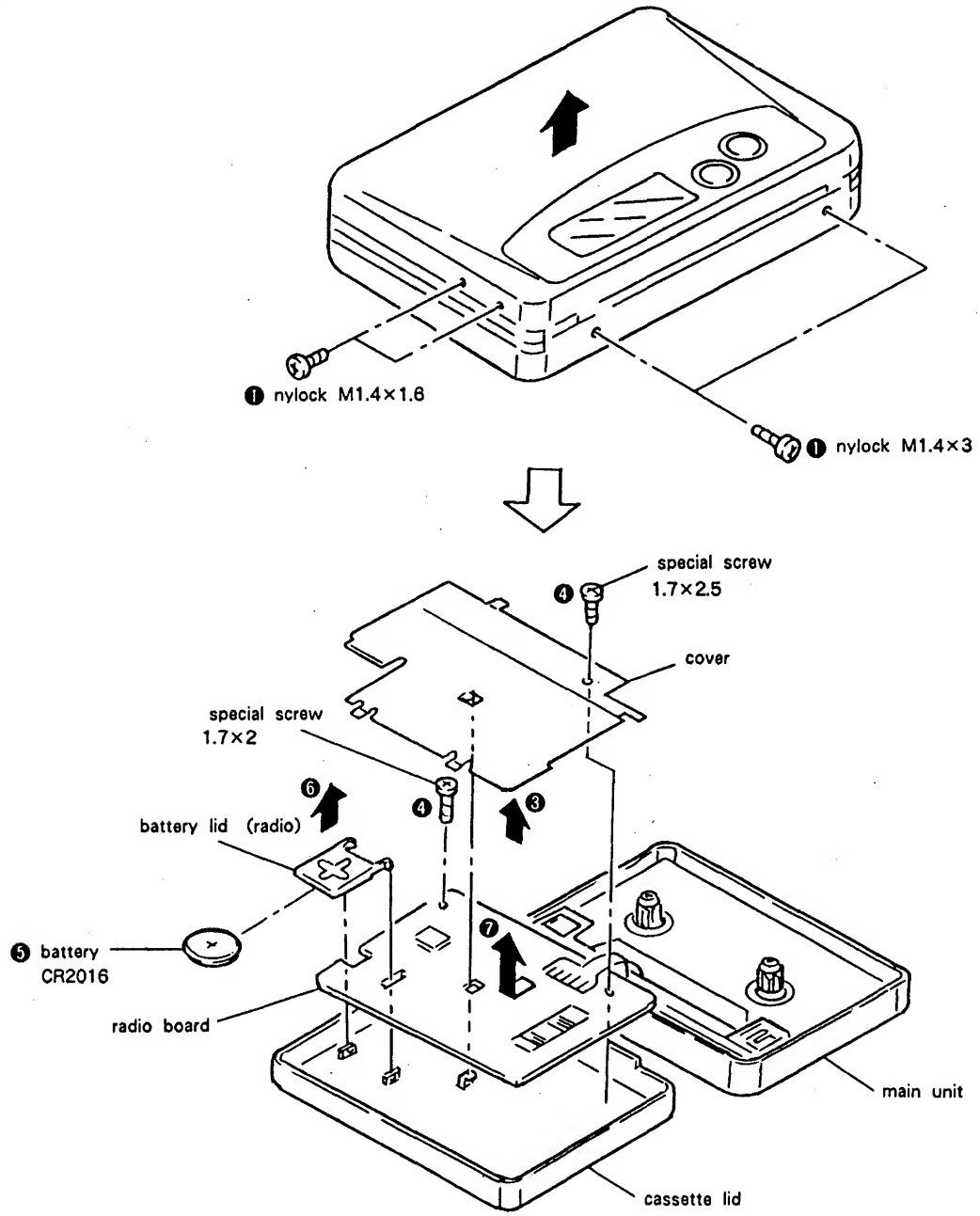
**To turn off the radio,** press the RADIO ON/OFF BAND button repeatedly until the band indicator disappears.

# SECTION 2
# DISASSEMBLY

**Note:** Follow the disassembly procedure in the numerical order given.

### Remove the radio board

- Before servicing, please write down the frequencies of the broadcasting stations programmed in the preset memory of the tuner. Then re-program the memories after servicing. (Refer to page 4.)
- Remove in mumerical order, ❶ to ❼.
  Take care not to damage the flexible board after removing the screw fixing the cassette lid and the arm, since the main unit and the cassette lid are connected by the flexible board only.



# SECTION 3
# ADJUSTMENTS

## 3-1. MECHANICAL ADJUSTMENTS

### PRECAUTION

1. Clean the following parts with a denatured alcohol-moistened swab :
   playback head　　rubber belts
   capstan　　idlers
   pinch roller
2. Demagnetize the playback head with a head demagnetizer.
3. Do not use a magnetized screwdriver for the adjustments.
4. After the adjustments, apply suitable locking compound to the parts adjusted.
5. The adjustments should be performed with the rated power supply voltage (1.3V) unless otherwise noted.

**Torque Measurement**

| Mode | Torque Meter | Meter Reading |
|---|---|---|
| FWD | CQ-102C | 22–38g · cm<br>0.31–0.52 oz · inch |
| FWD Back Tension | | 1.0–3.0g · cm<br>0.02–0.04 oz · inch |
| REV | CQ-102RB | 22–38g · cm<br>0.31–0.52 oz · inch |
| REV Back Tension | | 1.0–3.0g · cm<br>0.02–0.04 oz · inch |
| FF | CQ-201B | more than 50g · cm<br>more than 0.7 oz · inch |
| REW | | more than 50g · cm<br>more than 0.7 oz · inch |

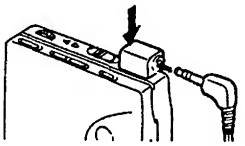
**Tape Pulling Force Measurement**

| Mode | Tension Meter | Meter Reading |
|---|---|---|
| FWD | CQ-403A | more than 50g<br>more than 1.77 oz |
| REV | CQ-403R | more than 50g<br>more than 1.77 oz |

## 3-2. ELECTRICAL ADJUSTMENTS

### PRECAUTION

1. Power supply voltage : 1.3V
2. Switch position
   FM switch :　ST
   DOLBY switch :　OFF
   DBB switch :　NORM
3. For electrical adjustments, use the supplied plug conversion adaptor (Part No.1-563-133-11).



**Cassette Section**

**TEST TAPE**

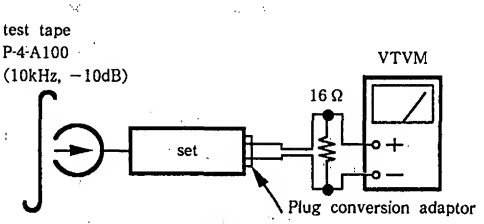
| Type | Signal | Used for |
|---|---|---|
| WS-48A | 3kHz, 0dB | Tape Speed Adjustment |
| P-4-A100 | 10kHz, −10dB | Playback Head Azimuth check |
| P-4-A063 | 6.3kHz, −10dB | |

**Playback Head Azimuth Check**

**Note :** This set is not featured the head azimuth adjustment.
When replacing the head, check the both L-ch and R-ch output levels and also those phases.

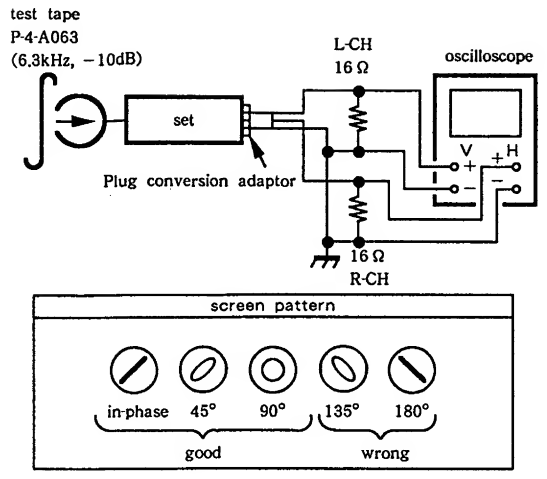
**Procedure :**

1. Playback mode.



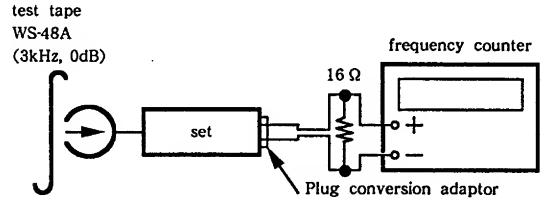

1) Playback the P-4-A100 in FWD mode and read the VTVM (both L-ch and R-ch).
2) Change to REV mode and read the VTVM (both L-ch and R-ch).
3) Confirm that the level difference between step 1 and 2 is within 5dB (both L-ch and R-ch).

2. Phase check



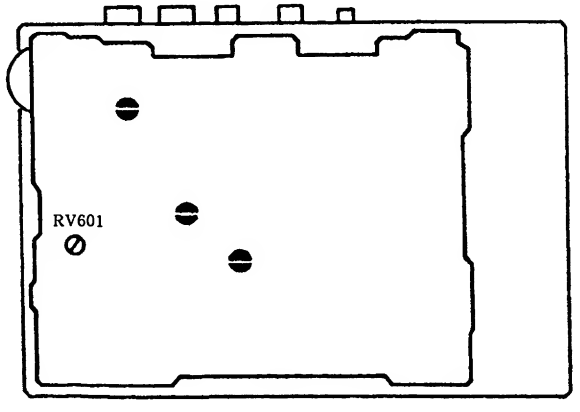

**Tape Speed Adjustment**

**Procedure :**




1. Playback WS-48A (tape center portion) in FWD mode. Adjust the RV601 so that the frequency counter reads 3,000Hz±30Hz.
2. Playback WS-48A (tape end portion) in REV mode. Confirm that the reading of frequency counter is within 2.5% from the reading in step 1.

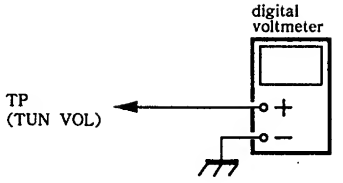
**Adjustment Parts Location Diagram**



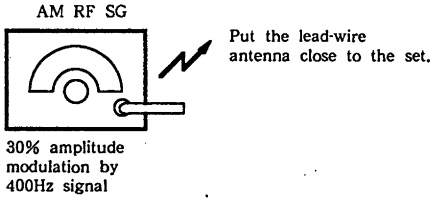

**Radio Section**

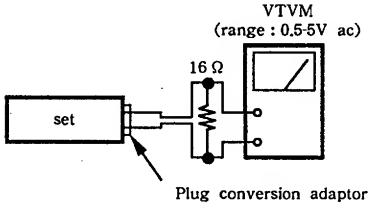
**AM SECTION**

BAND switch : AM




| AM TUNING VOLTAGE ADJUSTMENT | |
|---|---|
| Adjust for following values on digital voltmeter. | |
| Display indication | AM531kHz |
| Digital voltmeter reading | 1.1V±0.02V |
| Adjustment part | T2 |



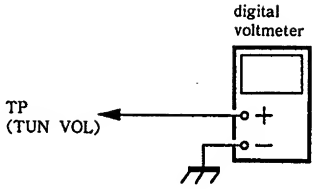

- Repeat the procedures in each adjustment several times, and the tracking adjustment should be finally done by the trimmer capacitors.

| AM TRACKING ADJUSTMENT | | |
|---|---|---|
| Adjust for a maximum reading on VTVM. | | |
| Display indication | AM621kHz | AM1,395kHz |
| SG frequency | 621kHz | 1,395kHz |
| Adjustment part | L1 | CT1 |

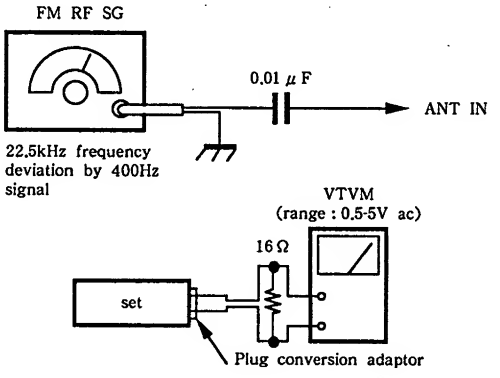
| AM IF ALIGNMENT | |
|---|---|
| Adjust for a maximum reading on VTVM. | |
| SG frequency | 455kHz |
| Adjustment part | T1 |

## FM SECTION

BAND switch : FM




| FM TUNING VOLTAGE ADJUSTMENT | |
|---|---|
| Adjust for following values on digital voltmeter. | |
| Display indication | FM87.5MHz |
| Digital voltmeter reading | 2.7V±0.02V |
| Adjustment part | L3 |

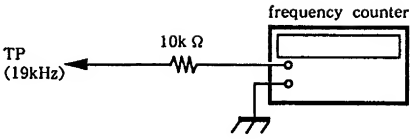



- Repeat the procedures in each adjustment severl times, and the tracking adjustment should be finally done by the trimmer capacitors.

| FM TRACKING ADJUSTMENT | | |
|---|---|---|
| Adjust for a maximum reading on VTVM. | | |
| Display indication | FM87.5MHz | FM108.0MHz |
| SG frequency | 87.5MHz | 108.0MHz |
| Adjustment part | L2 | CT2 |

## VCO Adjustment

BAND switch : FM

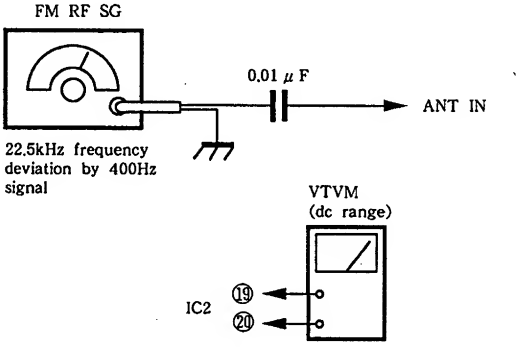



**Procedure :**

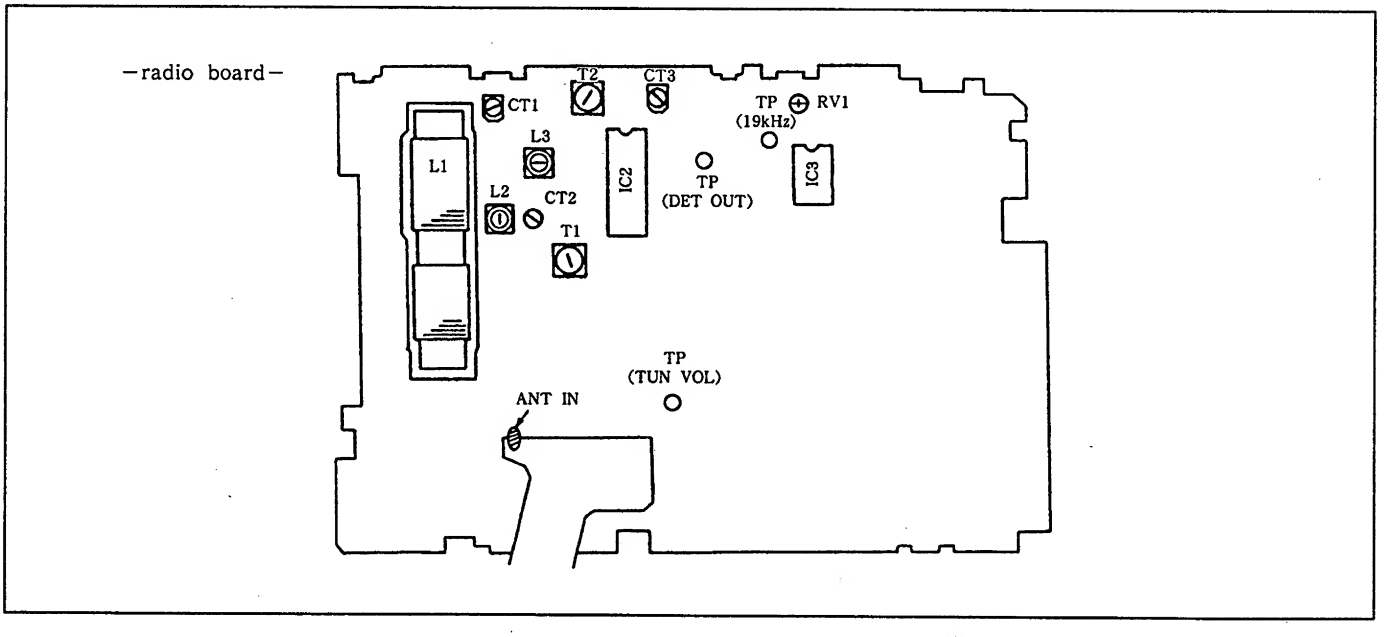
1. Connect an electrolytic capacitor 1 μ F between TP (DET OUT) and ground.
2. Adjust RV1 for 19±0.02kHz on the counter.
3. Remove electrolytic capacitor connected in step 1.

## NULL Adjustment

BAND switch : FM



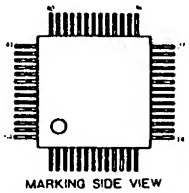

| Adjust for 0V reading VTVM. | |
|---|---|
| Display indication | FM87.5MHz |
| SG frequency | 87.5MHz |
| Adjustment part | CT3 |



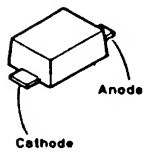
# SECTION 4
# DIAGRAMS

## 4-1. SEMICONDUCTORS LEAD LAYOUT

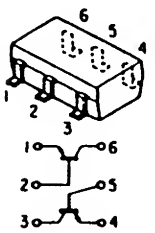
μPD1715G-68-24



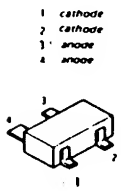

MA729



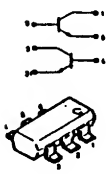

XN4315
XN4608




MA713

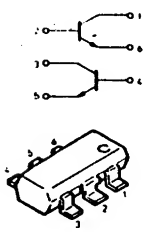



XN5501

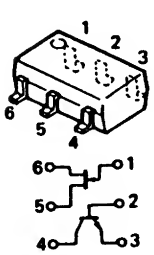


GL2PR90

XN6215



XN8081

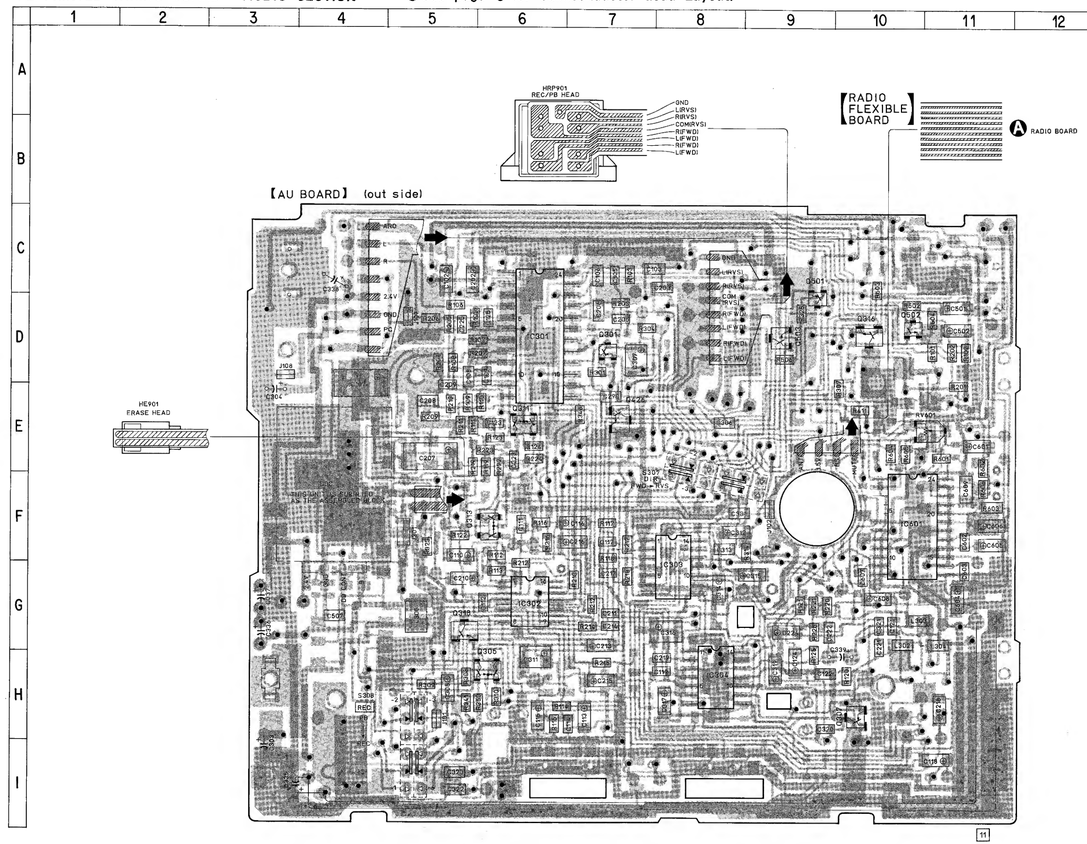


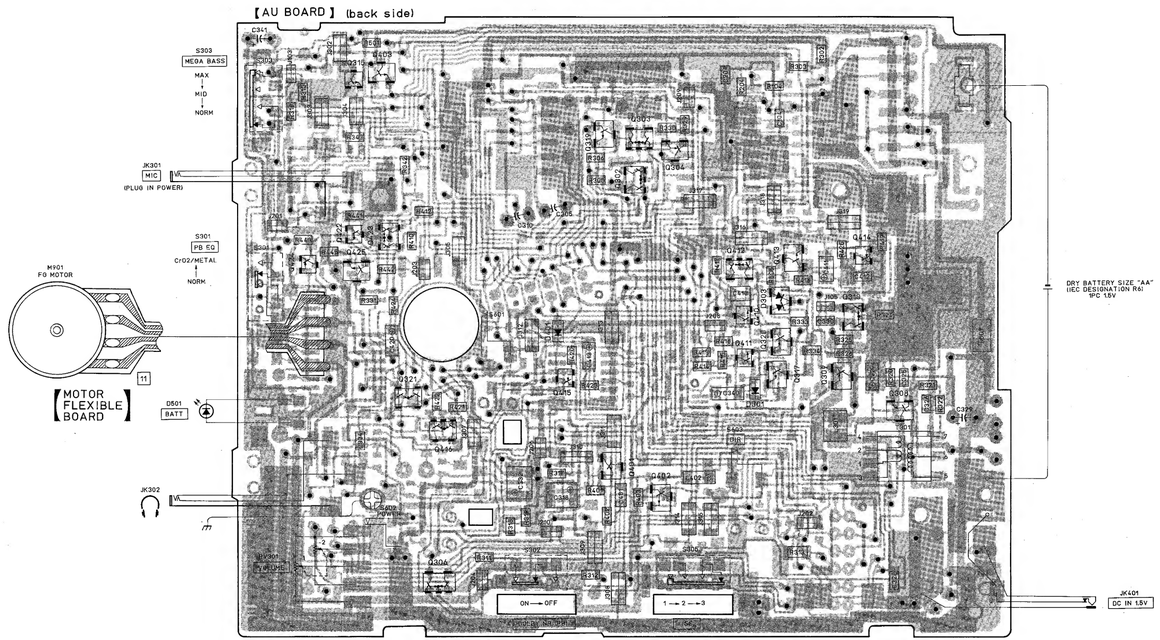
## 4-2. PRINTED WIRING BOARD –AUDIO SECTION–

● See page 9 for Semiconductor Lead Layout.

● SEMICONDUCTOR LOCATION

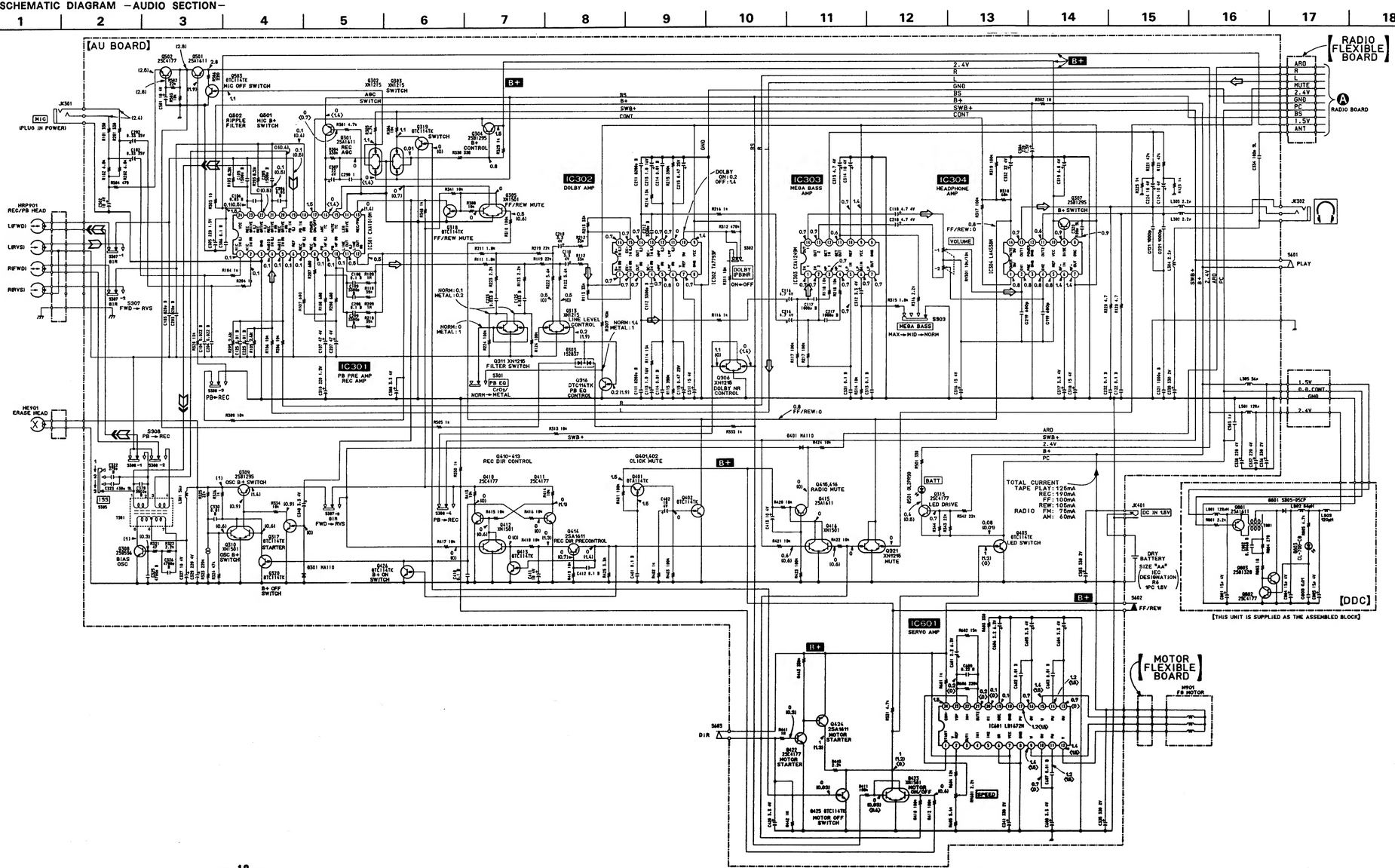
| Ref. No | Location |
|---|---|
| D301 | G–21 |
| D303 | F–21 |
| D401 | F–19 |
| D501 | G–15 |
| | |
| IC301 | D–6 |
| IC302 | G–6 |
| IC303 | G–8 |
| IC304 | H–8 |
| IC601 | F–10 |
| | |
| Q301 | D–7 |
| Q302 | D–20 |
| Q303 | D–20 |
| Q304 | D–20 |
| Q305 | H–6 |
| Q306 | I–17 |
| Q307 | H–10 |
| Q308 | G–23 |
| Q309 | G–22 |
| Q310 | F–22 |
| Q311 | E–6 |
| Q313 | F–6 |
| Q315 | C–16 |
| Q316 | D–10 |
| Q317 | F–21 |
| Q318 | G–5 |
| Q319 | D–19 |
| Q320 | F–21 |
| Q321 | G–17 |
| Q401 | H–19 |
| Q402 | H–20 |
| Q403 | C–17 |
| Q410 | F–21 |
| Q411 | F–21 |
| Q412 | E–21 |
| Q413 | E–21 |
| Q414 | E–22 |
| Q415 | G–19 |
| Q416 | G–17 |
| Q422 | E–16 |
| Q423 | E–17 |
| Q424 | E–16 |
| Q425 | E–16 |
| Q426 | E–7 |
| Q501 | D–9 |
| Q502 | D–10 |
| Q503 | D–9 |




Note on Printed Wiring Board :

- ○— : parts extracted from the component side.
- ■ : parts mounted on the conductor side.
- ▒▒ : Pattern on the side which is seen.
- ▒▒ : Pattern of the rear side.
- □ : Chip components extracted from the rear side.




**Note on Schematic Diagram :**

- All capacitors are in μ F unless otherwise noted. pF : μ μ F 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼W or less unless otherwise specified.
- B+ : B+ Line
- : adjustment for repair.
- Total current is measured with no cassette installed.
- Power voltage is dc V and fed with regulated dc power supply from external power voltage jack.
- Voltage and waveforms are dc with respect to ground under no-signal (detuned) conditions.
- no mark : PB
  ( ) : REC
  〈 〉: FM
- Voltages are taken with a VOM (Input impedance 10M Ω). Voltage variations may be noted due to normal production tolerances.
- Signal path.
  ⇨ : FM ⇨ : PB
  ⇨⇨: REC

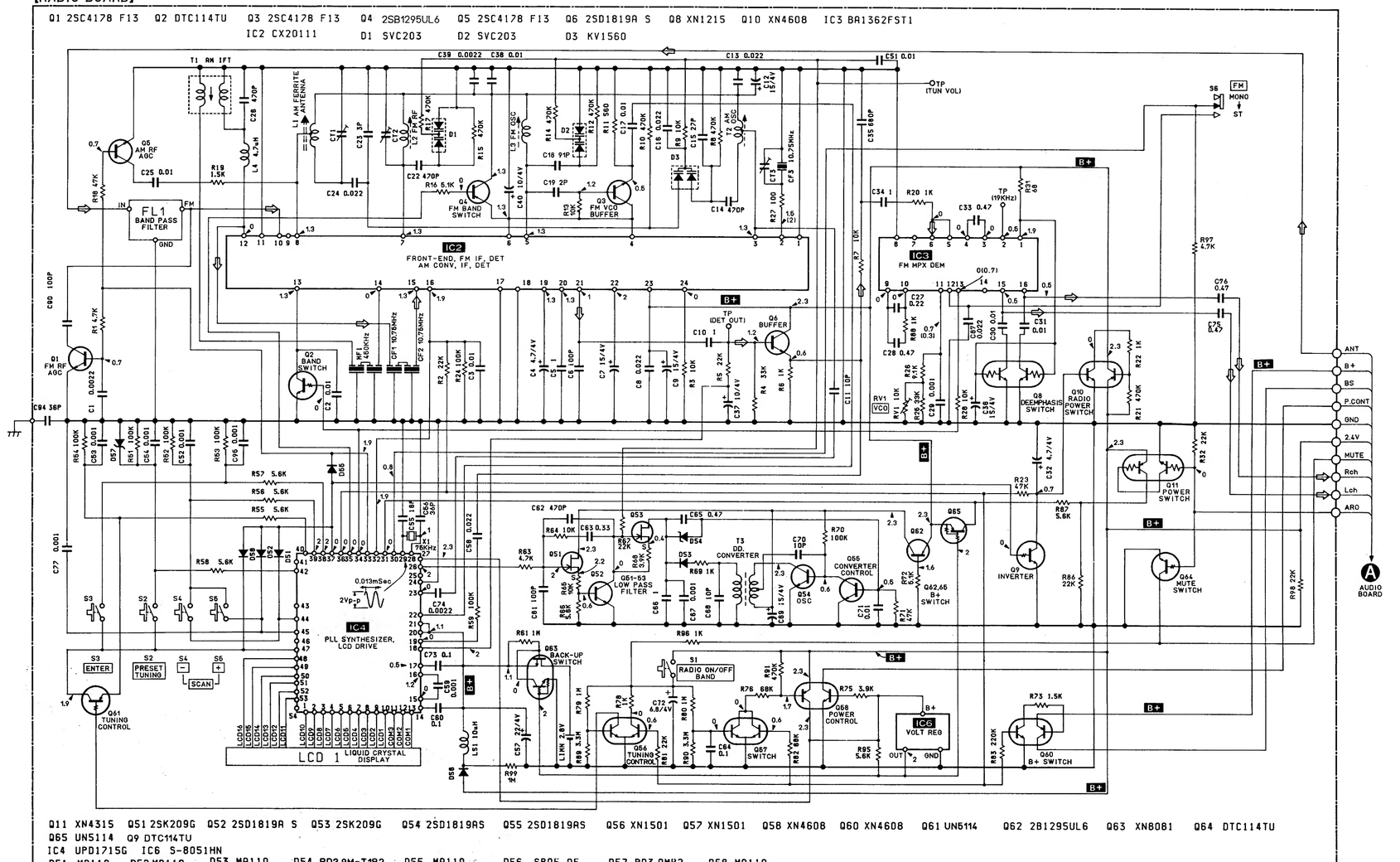
## 4-4. SCHEMATIC DIAGRAM –RADIO SECTION–

Note on Schematic Diagram :

- All capacitors are in μ F unless otherwise noted. pF : μ μ F 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼W or less unless otherwise specified.
- △ : internal component.
- B+ : B+ Line
- ▭ : adjustment for repair.
- Total current is measured with no cassette installed.
- Power voltage is dc 1.3V and fed with regulated dc power supply from battery terminal.
- Voltage and waveforms are dc with respect to ground under no-signal in playback mode conditions.
- no mark : FWD
- ▶ : FWD ◀ : REV
  ▶▶: FF ◀◀: REW
- Voltages are taken with a VOM (input impedance 10M Ω). Voltage variations may be noted due to normal production tolerances.
- Signal path.
  ⇨ : FM

【RADIO BOARD】

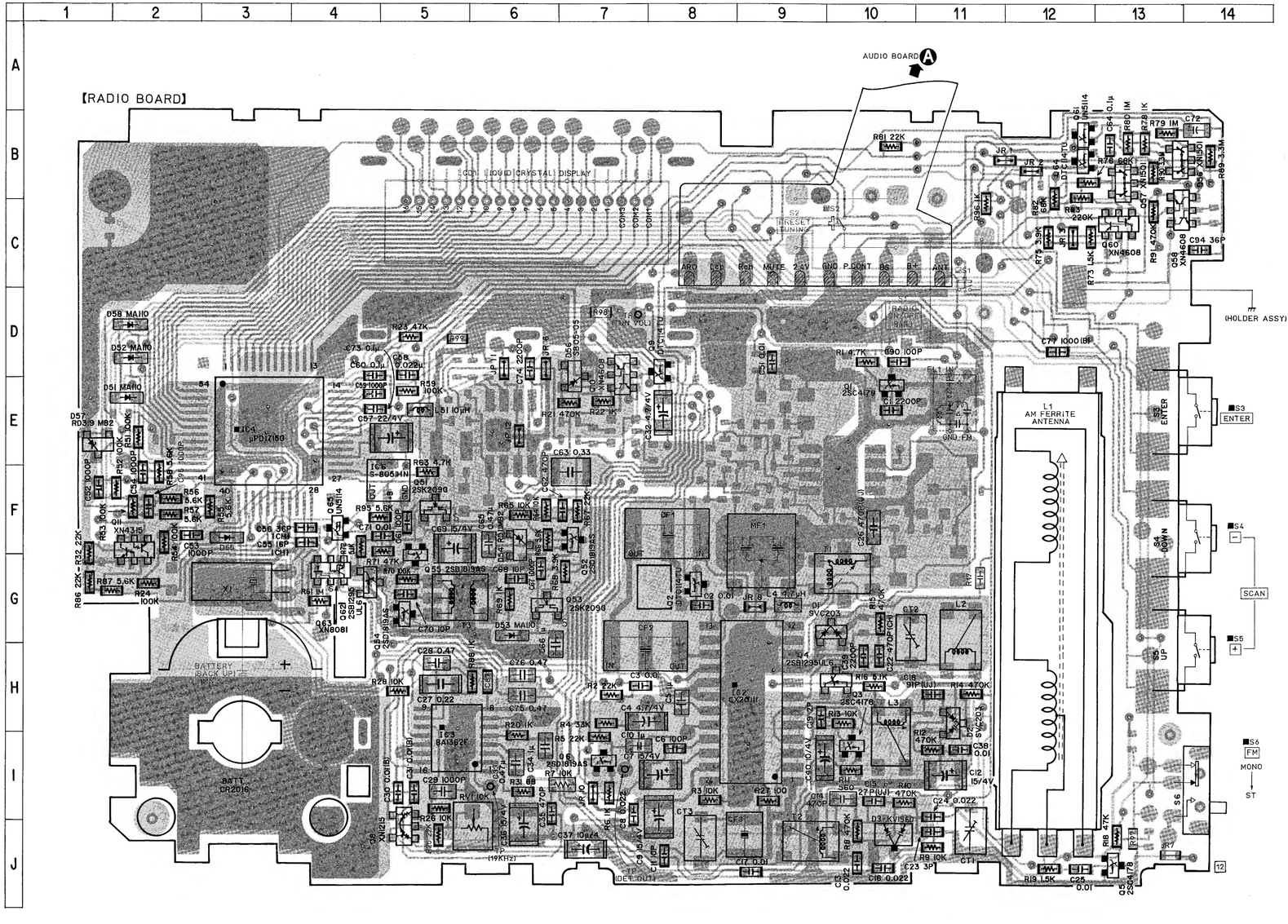
Q1 2SC4178 F13 Q2 DTC114TU Q3 2SC4178 F13 Q4 2SB1295UL6 Q5 2SC4178 F13 Q6 2SD1819A S Q8 XN1215 Q10 XN4608 IC3 BA1362FST1
IC2 CX20111 D1 SVC203 D2 SVC203 D3 KV1560




Q11 XN4315 Q51 2SK209G Q52 2SD1819A S Q53 2SK209G Q54 2SD1819AS Q55 2SD1819AS Q56 XN1501 Q57 XN1501 Q58 XN4608 Q60 XN4608 Q61 UN5114 Q62 2B1295UL6 Q63 XN8081 Q64 DTC114TU
Q65 UN5114 Q9 DTC114TU
IC4 UPD1715G IC6 S-8051HN
D51 MA110 D52 MA110 D53 MA110 D54 RD3.9M-T1B2 D55 MA110 D56 SB05-05 D57 RD3.9MB2 D58 MA110

## 4-5. PRINTED WIRING BOARD –RADIO SECTION–

● See page 9 for Semiconductor Lead Layout.



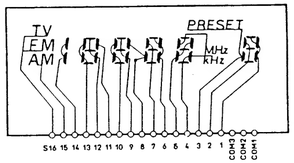

● SEMICONDUCTOR LOCATION

| Ref. No | Location |
|---|---|
| D1 | G–10 |
| D2 | H–11 |
| D3 | J–10 |
| D51 | E–2 |
| D52 | D–2 |
| D53 | G–6 |
| D54 | F–6 |
| D55 | F–3 |
| D56 | D–7 |
| D57 | E–1 |
| D58 | D–2 |
| IC2 | H–9 |
| IC3 | I–5 |
| IC4 | E–3 |
| IC6 | F–5 |
| Q1 | E–10 |
| Q2 | G–8 |
| Q3 | I–10 |
| Q4 | H–10 |
| Q5 | J–13 |
| Q6 | I–7 |
| Q8 | J–5 |
| Q9 | D–8 |
| Q10 | D–7 |
| Q11 | F–2 |
| Q51 | F–5 |
| Q52 | F–7 |
| Q53 | G–6 |
| Q54 | G–5 |
| Q55 | G–5 |
| Q56 | B–13 |
| Q57 | B–13 |
| Q58 | B–13 |
| Q60 | C–13 |
| Q61 | B–12 |
| Q62 | G–4 |
| Q63 | G–4 |
| Q64 | B–12 |
| Q65 | F–4 |

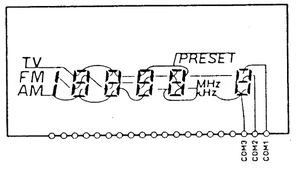
Note on Printed Wiring Board :

- ■ : parts mounted on the conductor side.
- ▒ : Pattern on the side which is seen.
- ▒ : Pattern of the rear side
- ◎ : Through hole.

LCD1 SEGMENT CONNECTION

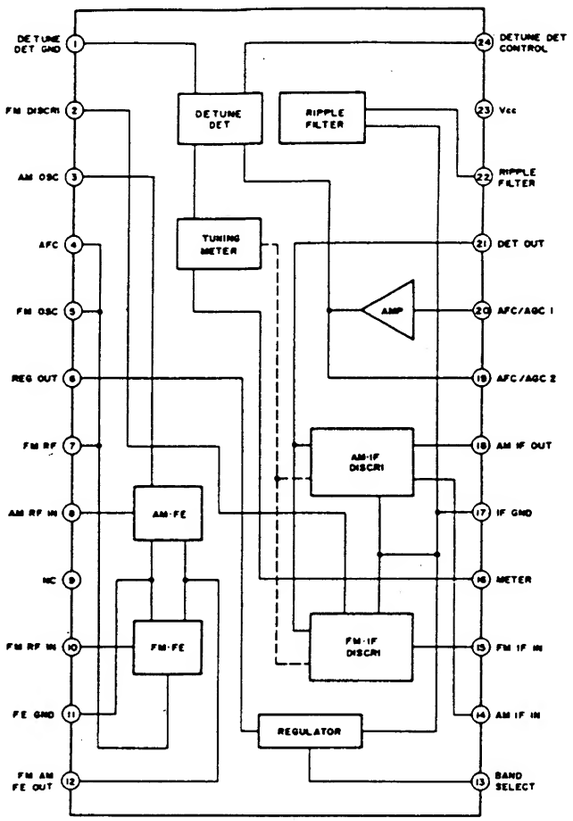



COMMON CONNECTION

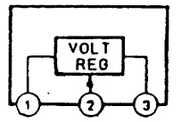


## 4-6. IC BLOCK DIAGRAM

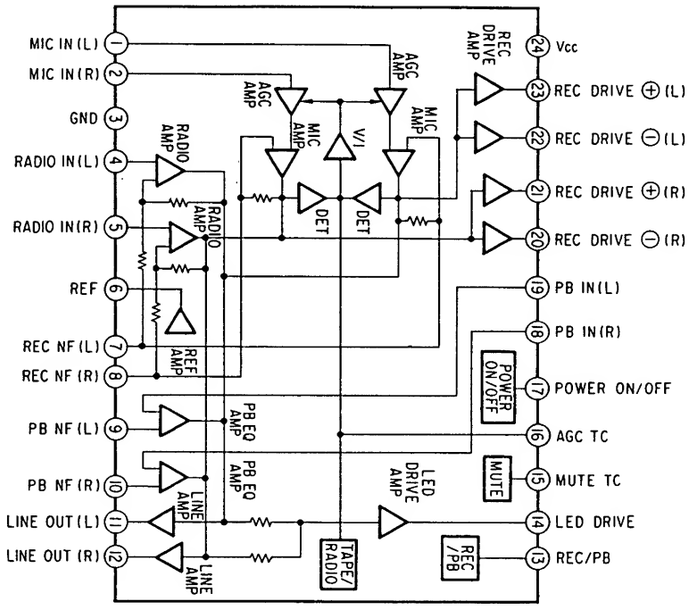
### IC2 CX20111



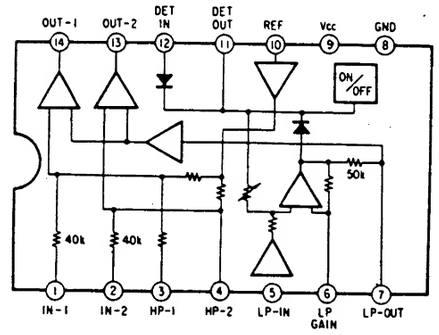

### IC6 S8051HN



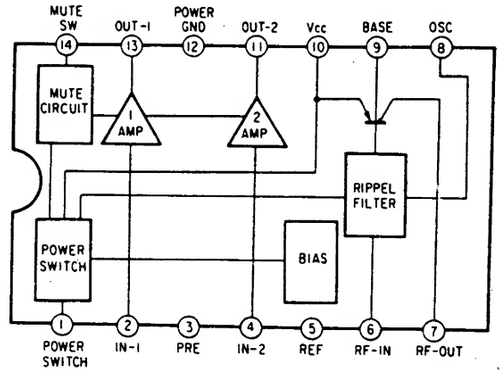

### IC301 CXA1010M



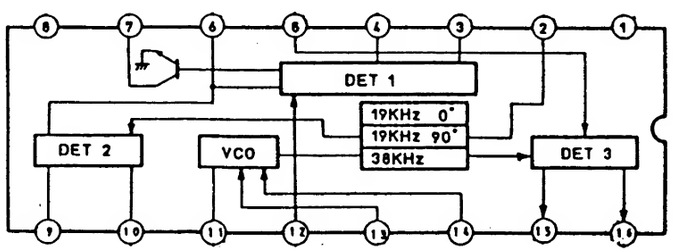

### IC303 CXA1249M



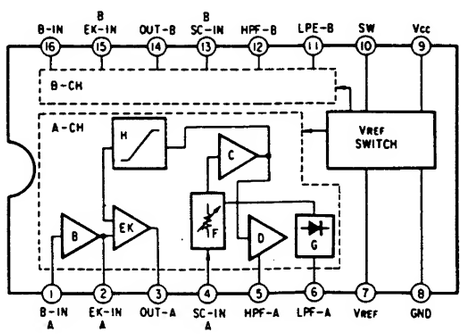

### IC304 LA4538M



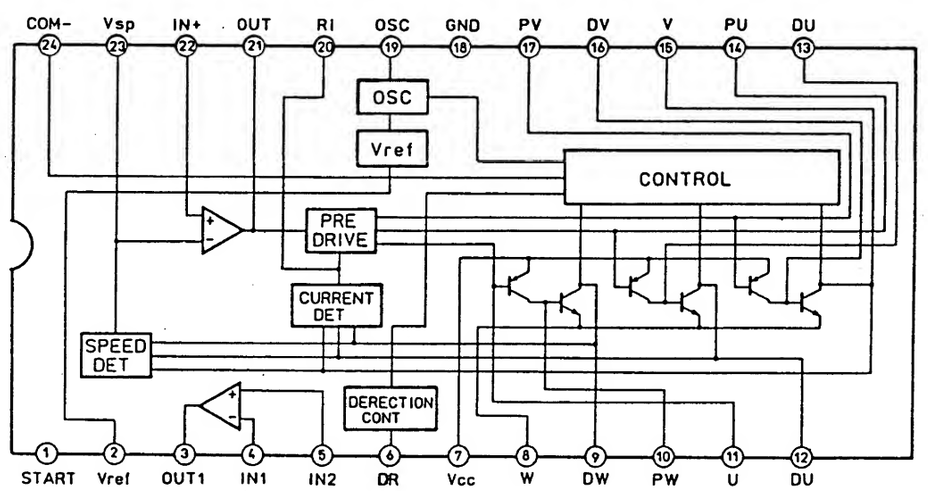

### IC3 BA1362FS




### IC302 TA7793F




### IC601 LB1672M

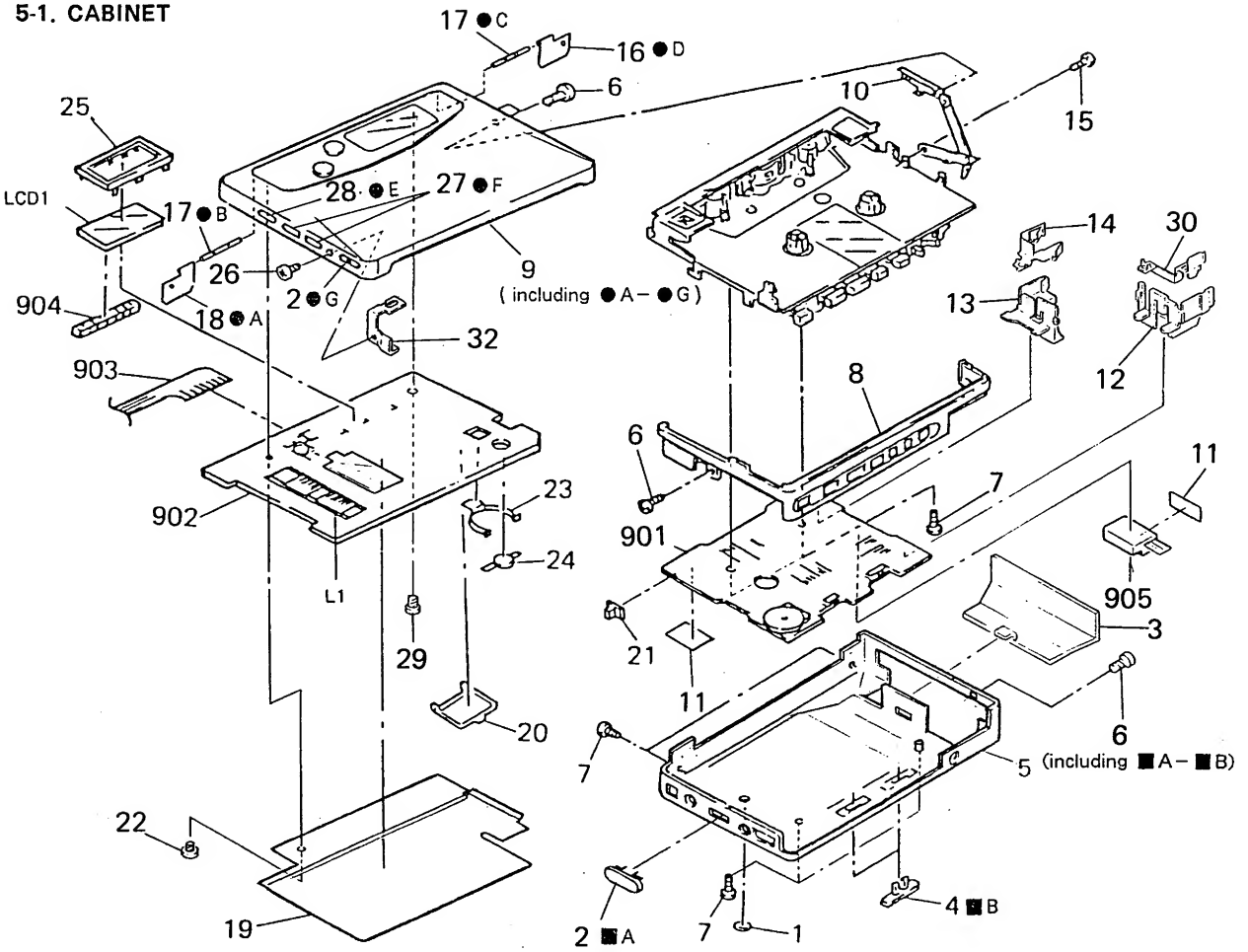


# SECTION 5
# EXPLODED VIEWS

**NOTE:**

- The mechanical parts with no reference number in the exploded views are not supplied.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Due to standardization, parts with part number suffix -XX and -X may be different from the parts specified in the components used on the set.
- Color Indication of Appearance Parts Example:
  (RED) . . . KNOB, BALANCE (WHITE)
  ↑ Cabinet's Color ↑ Parts Color

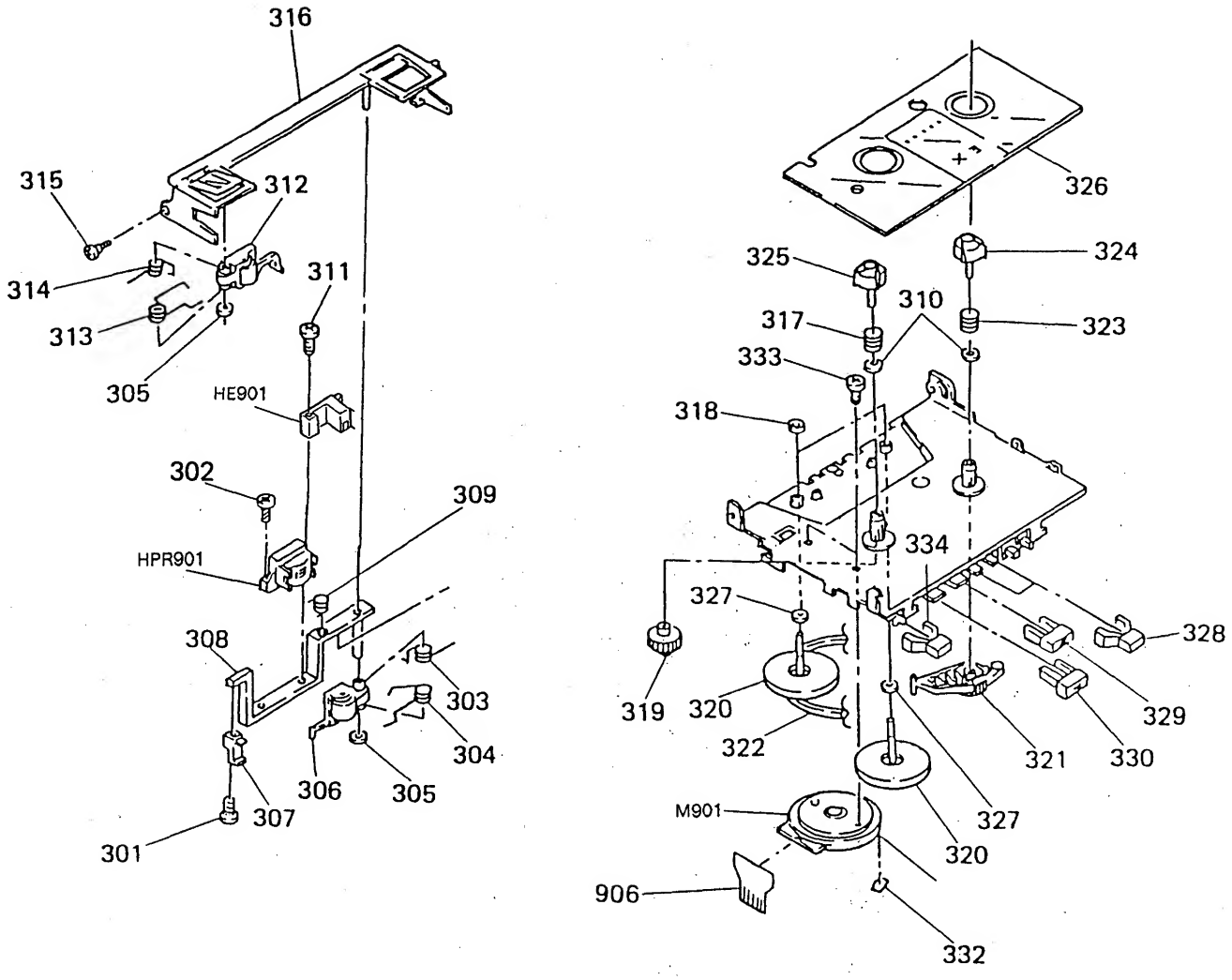
## 5-1. CABINET




| No. | Part No. | Description | Remarks |
|---|---|---|---|
| 1 | 3-342-380-01 | SHEET, SPEED HOLE | |
| 2 | 3-354-427-01 | KNOB (M/S) | |
| 3 | 3-354-422-01 | LID, BATTERY CASE | |
| 4 | 3-354-428-01 | KNOB (TAPE) | |
| 5 | X-3352-029-1 | CABINET ASSY | |
| 6 | 3-704-197-11 | SCREW (M1.4X2.0), LOCKING | |
| 7 | 3-704-197-21 | SCREW (M1.4X2.5), LOCKING | |
| 8 | 3-354-446-01 | ORNAMENT, REEL | |
| 9 | X-3352-028-1 | CASSETTE ASSY | |
| 10 | X-3352-013-1 | ARM ASSY, CLICK | |
| 11 | 3-831-441-11 | CUSHION (B) | |
| 12 | 3-354-443-01 | TERMINAL BOARD, PLUS | |
| 13 | 3-354-442-01 | HOLDER (B), TERMINAL | |
| 14 | 3-352-048-01 | TERMINAL BOARD, MINUS | |
| 15 | 3-352-005-01 | SCREW (M1.4X1.6), PRECISION STEP | |
| 16 | 3-354-437-01 | PLATE (LEFT) FULCRUM | |
| 17 | 3-354-436-01 | SHAFT (LID) | |
| 18 | 3-354-438-01 | PLATE (RIGHT), FULCRUM | |
| 19 | 3-354-439-01 | COVER | |
| 20 | 3-354-440-01 | LID (RADIO), BATTERY CASE | |

| No. | Part No. | Description | Remarks |
|---|---|---|---|
| 21 | 3-354-429-01 | KNOB (DBB) | |
| 22 | 3-318-382-21 | SCREW (1.7X3), TAPPING | |
| 23 | 3-350-954-01 | TERMINAL BOARD (C), BATTERY | |
| 24 | 3-350-955-01 | TERMINAL BOARD (D), BATTERY | |
| 25 | *3-350-956-01 | CASE, SHIELD | |
| 26 | 3-704-197-01 | SCREW (M1.4X1.6), LOCKING | |
| 27 | 3-354-426-01 | BUTTON (UP/DOWN) | |
| 28 | 3-354-425-01 | BUTTON (ENTER) | |
| 29 | 3-318-382-61 | SCREW (1.7X2.5), TAPPING | |
| 30 | 3-354-441-01 | HOLDER (A), TERMINAL | |
| 31 | *3-354-452-01 | PAPER (TUNER), SHIELD | |
| 32 | 3-354-435-01 | LOCKER, OPEN | |
| 901 | A-3015-812-A | AU ASSY | |
| 902 | A-3015-813-A | MOUNTED PCB, RADIO | |
| 903 | 1-633-467-11 | PC BOARD, RADIO FLEXIBLE | |
| 904 | 1-535-749-11 | CONDUCTOR (CONNECTION) | |
| 905 | A-3216-892-A | DDC ASSY | |
| L1 | 1-402-282-11 | ANTENNA, FERRITE-ROD (MW) | |
| LCD1 | 1-808-578-11 | DISPLAY PANEL, LIQUID CRYSTAL | |

## 5-2. MECHANISM-1
(MF-WMBF608)

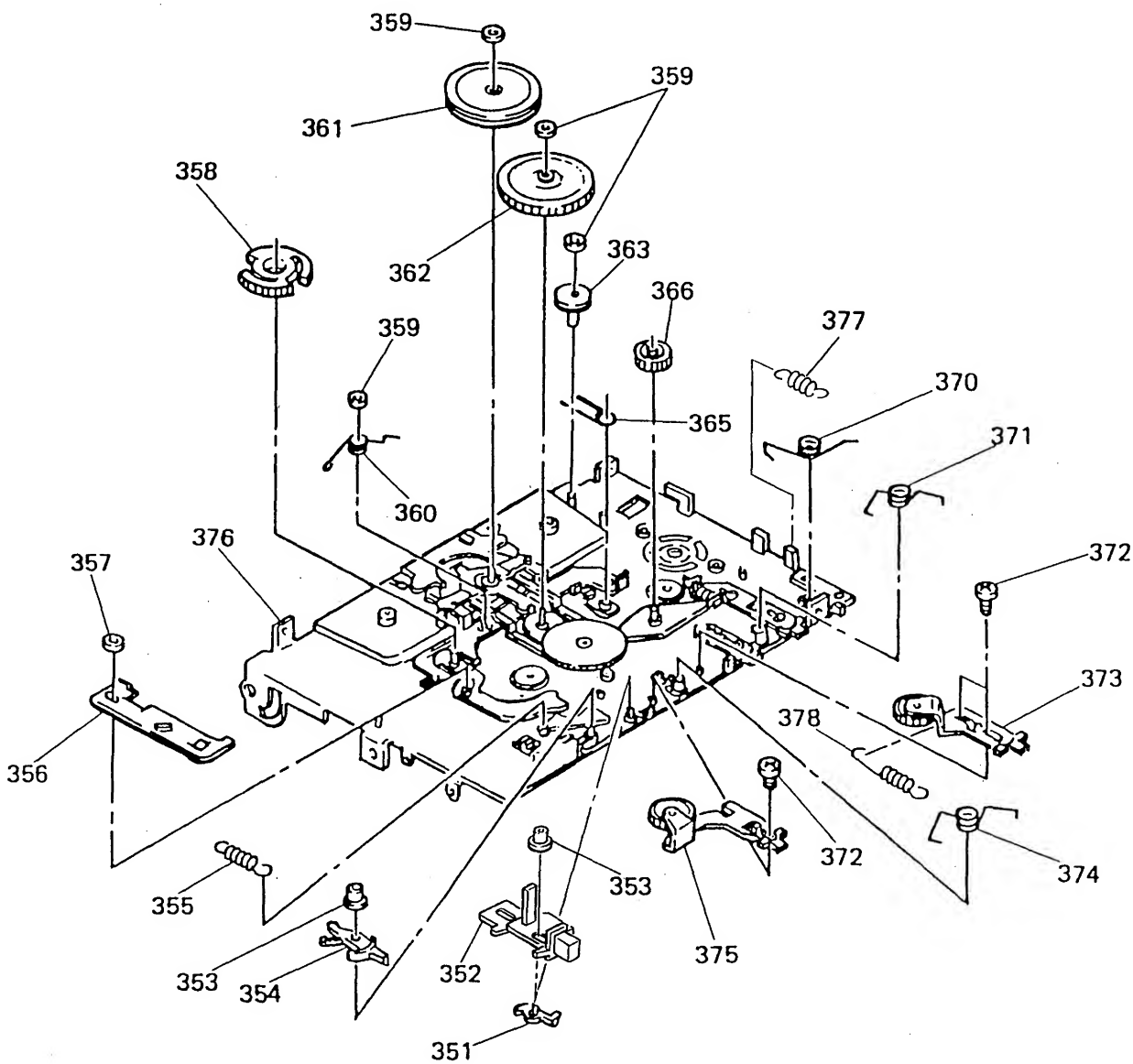



| No. | Part No. | Description | Remarks |
|---|---|---|---|
| 301 | 3-348-998-31 | SCREW (M1.4X2.5), TAPPING, PAN | |
| 302 | 7-627-851-17 | SCREW, PRECISION +P 1.4X4.5 | |
| 303 | 3-341-468-01 | SPRING (R) | |
| 304 | 3-348-971-01 | SPRING (PINCH N) | |
| 305 | 3-341-473-01 | WASHER (MP) | |
| 306 | X-3395-509-1 | PINCH LEVER (R) ASSY | |
| 307 | *3-344-694-01 | GUIDE (RIGHT) | |
| 308 | 3-395-537-01 | LEVER (AZ), HEAD | |
| 309 | 3-347-205-01 | SPRING (HD LEVER), TORSION | |
| 310 | 3-348-990-11 | WASHER (THRUST) | |
| 311 | 3-349-890-01 | SCREW, TAPPING | |
| 312 | X-3331-036-1 | PINCH LEVER (N) ASSY | |
| 313 | 3-395-536-01 | SPRING (PINCH R), TORSION | |
| 314 | 3-341-469-01 | SPRING (N) | |
| 315 | 3-352-005-01 | SCREW(M1.4X1.6), PRECISION STEP | |
| 316 | X-3352-010-1 | HOLDER (T.X) ASSY | |
| 317 | 3-348-989-01 | SPRING, COMPRESSION | |
| 318 | 3-331-007-21 | WASHER | |
| 319 | 3-348-151-01 | GEAR (TAKE-UP REEL) | |

| No. | Part No. | Description | Remarks |
|---|---|---|---|
| 320 | X-3352-007-1 | WHEEL (X) ASSY, CAPSTAN | |
| 321 | X-3348-110-1 | LEVER ASSY, PICK UP | |
| 322 | 3-349-814-01 | BELT | |
| 323 | 3-348-107-01 | SPRING, COMPRESSION | |
| 324 | 3-348-149-01 | REEL, SUPPLY | |
| 325 | 3-348-150-01 | REEL, TAKE-UP | |
| 326 | 3-354-467-01 | COVER, MD | |
| 327 | 3-354-407-01 | WASHER | |
| 328 | 3-354-433-01 | BUTTON (FR.X) | |
| 329 | 3-354-432-01 | BOTTON (STOP.X) | |
| 330 | 3-354-431-01 | BUTTON (PLAY.X) | |
| 332 | 3-703-929-01 | SPACER (P) | |
| 333 | 3-349-825-01 | SCREW | |
| 334 | 3-354-430-01 | BUTTON (REC.X) | |
| 906 | 1-629-873-11 | PC BOARD, MOTOR FLEXIBLE | |
| HE901 | 1-543-657-11 | HEAD, MAGNETIC (ERASE) | |
| HRP901 | 1-543-658-11 | HEAD, MAGNETIC (REC/PB) | |
| M901 | 1-541-660-11 | MOTOR | |

## 5-3. MECHANISM-2

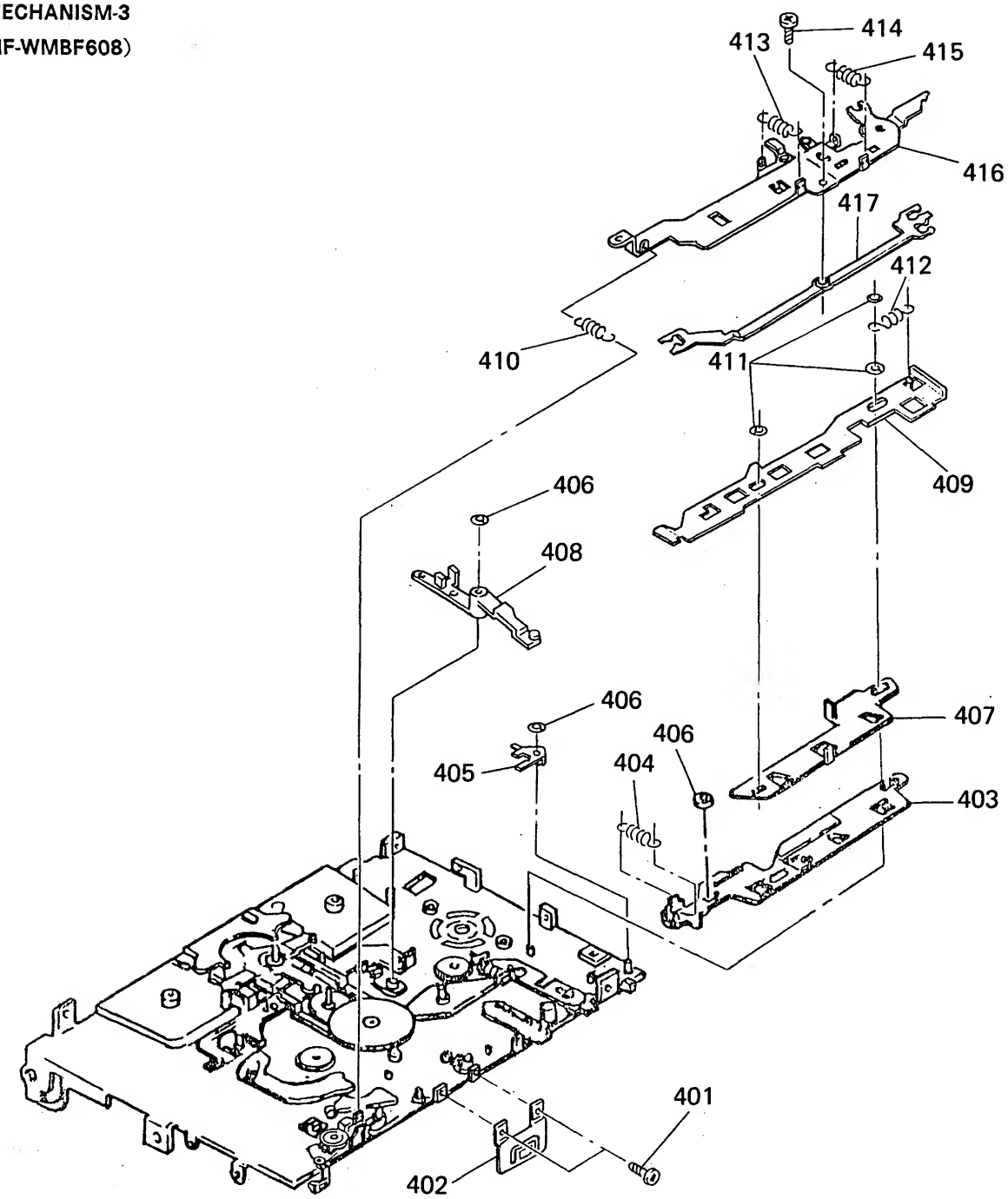
(MF-WMBF608)




| No. | Part No. | Description | Remarks |
|---|---|---|---|
| 351 | 3-348-101-01 | RATCHET | |
| 352 | 3-395-501-01 | LEVER, DIR | |
| 353 | 3-348-102-01 | BUSHING | |
| 354 | 3-348-105-01 | LEVER, MODE SELECTION | |
| 355 | 3-348-163-01 | SPRING, TENSION | |
| 356 | *3-352-002-02 | LEVER (X), TRIGGER | |
| 357 | 3-348-953-11 | WASHER | |
| 358 | 3-352-032-01 | GEAR (X), CAM | |
| 359 | 3-348-996-01 | WASHER | |
| 360 | 3-348-172-03 | SPRING (S.OFF), TORSION | |
| 361 | 3-352-007-01 | PULLEY (MIDWAY.X) | |
| 362 | X-3352-006-1 | CLUTCH (X) ASSY | |

| No. | Part No. | Description | Remarks |
|---|---|---|---|
| 363 | 3-352-008-01 | PULLEY (REVERSE.X) | |
| 365 | 3-348-159-01 | SPRING (NR), TORSION | |
| 366 | 3-352-021-01 | GEAR (N.X) | |
| 370 | 3-395-506-01 | SPRING (LOCK SLIDER), TORSION | |
| 371 | 3-348-103-01 | SPRING (PLAY), TORSION | |
| 372 | 3-348-160-01 | SCREW (M1.4X1.3), PRECISION PAN | |
| 373 | X-3348-103-1 | LEVER ASSY, FF | |
| 374 | 3-348-168-01 | SPRING (FR), TORSION | |
| 375 | X-3348-104-1 | LEVER ASSY, REW | |
| 376 | X-3395-501-1 | CHASSIS COMPLETE ASSY | |
| 377 | 3-395-541-01 | SPRING, TENSION | |
| 378 | 3-348-104-01 | SPRING, TENSION | |

## 5-4. MECHANISM-3
(MF-WMBF608)




| No. | Part No. | Description | Remarks |
|---|---|---|---|
| 401 | 3-349-825-01 | SCREW | |
| 402 | 3-395-543-01 | SPRING | |
| 403 | X-3395-502-1 | SLIDER ASSY, LOCK | |
| 405 | 3-395-542-01 | LEVER (B), REC | |
| 406 | 3-348-996-01 | WASHER | |
| 407 | 3-395-503-01 | SLIDER, SW | |
| 408 | 3-395-509-01 | LEVER, NR | |
| 409 | 3-395-504-01 | SLIDER, REC | |

| No. | Part No. | Description | Remarks |
|---|---|---|---|
| 410 | 3-395-508-01 | SPRING, TENSION | |
| 411 | 3-348-953-21 | WASHER | |
| 412 | 3-395-505-01 | SPRING (REC SLIDER), TENSION | |
| 413 | 3-395-535-01 | SPRING, TENSION | |
| 414 | 3-348-998-31 | SCREW (M1.4X2.5), TAPPING, PAN | |
| 415 | 3-395-534-01 | SPRING, TENSION | |
| 416 | X-3395-503-1 | BRACKET ASSY, EJECT | |
| 417 | 3-395-507-01 | LEVER, REC SW | |

# SECTION 6
# ELECTRICAL PARTS LIST

**NOTE:**

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- If there are two or more same circuits in a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:
MF: μF, PF: μμF.

RESISTORS
- All resistors are in ohms.
- F: nonflammable

COILS
- MMH: mH, UH: μH

SEMICONDUCTORS
In each case, U: μ, for example:
UA...: μA..., UPA...: μPA...,
UPC...: μPC, UPD...: μPD...

| Ref.No. | Part No. | Description | | |
|---|---|---|---|---|
| 901 | A-3015-812-A | AU ASSY | | |
| 902 | A-3015-813-A | MOUNTED PCB, RADIO | | |
| 903 | 1-633-467-11 | PC BOARD, RADIO FLEXIBLE | | |
| 904 | 1-535-749-11 | CONDUCTOR (CONNECTION) | | |
| 905 | A-3216-892-A | DDC ASSY | | |
| 906 | 1-629-873-11 | PC BOARD, MOTOR FLEXIBLE | | |
| C1 | 1-162-966-11 | CERAMIC CHIP 0.0022MF | 10% | 50V |
| C2 | 1-162-974-11 | CERAMIC CHIP 0.01MF | | 50V |
| C3 | 1-162-974-11 | CERAMIC CHIP 0.01MF | | 50V |
| C4 | 1-135-151-21 | TANTAL. CHIP 4.7MF | 20% | 4V |
| C5 | 1-164-234-11 | CERAMIC CHIP 1MF | | 10V |
| C6 | 1-162-953-11 | CERAMIC CHIP 100PF | 5% | 50V |
| C7 | 1-135-158-21 | TANTAL. CHIP 15MF | 20% | 4V |
| C8 | 1-162-995-11 | CERAMIC CHIP 0.022MF | | 50V |
| C9 | 1-135-158-21 | TANTAL. CHIP 15MF | 20% | 4V |
| C10 | 1-164-234-11 | CERAMIC CHIP 1MF | | 10V |
| C11 | 1-162-941-11 | CERAMIC CHIP 10PF | 0.5PF | 50V |
| C12 | 1-135-158-21 | TANTAL. CHIP 15MF | 20% | 4V |
| C13 | 1-162-995-11 | CERAMIC CHIP 0.022MF | | 50V |
| C14 | 1-163-133-00 | CERAMIC CHIP 470PF | 5% | 50V |
| C15 | 1-162-920-11 | CERAMIC CHIP 27PF | 10% | 50V |
| C16 | 1-162-995-11 | CERAMIC CHIP 0.022MF | | 50V |
| C17 | 1-162-970-11 | CERAMIC CHIP 0.01MF | 10% | 25V |
| C18 | 1-162-999-11 | CERAMIC CHIP 91PF | 5% | 50V |
| C19 | 1-162-932-11 | CERAMIC CHIP 2PF | 0.25PF | 50V |
| C22 | 1-164-315-11 | CERAMIC CHIP 470PF | 10% | 50V |
| C23 | 1-162-934-11 | CERAMIC CHIP 3PF | 0.25PF | 50V |
| C24 | 1-162-995-11 | CERAMIC CHIP 0.022MF | | 50V |
| C25 | 1-162-974-11 | CERAMIC CHIP 0.01MF | | 50V |
| C26 | 1-163-133-00 | CERAMIC CHIP 470PF | 5% | 50V |
| C27 | 1-164-330-21 | CERAMIC CHIP 0.22MF | 10% | 16V |
| C28 | 1-164-005-11 | CERAMIC CHIP 0.47MF | | 25V |
| C29 | 1-163-141-00 | CERAMIC CHIP 0.001MF | 5% | 50V |
| C30 | 1-162-970-11 | CERAMIC CHIP 0.01MF | 10% | 25V |
| C31 | 1-162-970-11 | CERAMIC CHIP 0.01MF | 10% | 25V |
| C32 | 1-135-151-21 | TANTAL. CHIP 4.7MF | 20% | 4V |
| C33 | 1-164-005-11 | CERAMIC CHIP 0.47MF | | 25V |
| C34 | 1-164-234-11 | CERAMIC CHIP 1MF | | 10V |
| C35 | 1-162-963-11 | CERAMIC CHIP 680PF | 10% | 50V |
| C36 | 1-135-158-21 | TANTAL. CHIP 15MF | 20% | 4V |
| C37 | 1-135-201-11 | TANTAL. CHIP 10MF | 20% | 4V |
| C38 | 1-162-970-11 | CERAMIC CHIP 0.01MF | 10% | 25V |
| C39 | 1-162-966-11 | CERAMIC CHIP 0.0022MF | 10% | 50V |
| C40 | 1-135-201-11 | TANTAL. CHIP 10MF | 20% | 4V |
| C51 | 1-162-970-11 | CERAMIC CHIP 0.01MF | 10% | 25V |
| C52 | 1-162-964-11 | CERAMIC CHIP 0.001MF | 10% | 50V |
| C53 | 1-162-964-11 | CERAMIC CHIP 0.001MF | 10% | 50V |
| C54 | 1-162-964-11 | CERAMIC CHIP 0.001MF | 10% | 50V |
| C55 | 1-164-237-11 | CERAMIC CHIP 16PF | 10% | 50V |
| C56 | 1-164-238-11 | CERAMIC CHIP 36PF | 10% | 50V |
| C57 | 1-135-202-21 | TANTAL. CHIP 22MF | 20% | 4V |
| C58 | 1-162-995-11 | CERAMIC CHIP 0.022MF | | 50V |
| C59 | 1-162-964-11 | CERAMIC CHIP 0.001MF | 10% | 50V |
| C60 | 1-164-156-11 | CERAMIC CHIP 0.1MF | | 25V |
| C61 | 1-162-953-11 | CERAMIC CHIP 100PF | 5% | 50V |
| C62 | 1-162-962-11 | CERAMIC CHIP 470PF | 10% | 50V |
| C63 | 1-164-006-11 | CERAMIC CHIP 0.33MF | 10% | 16V |
| C64 | 1-164-156-11 | CERAMIC CHIP 0.1MF | | 25V |
| C65 | 1-164-005-11 | CERAMIC CHIP 0.47MF | | 25V |
| C66 | 1-164-234-11 | CERAMIC CHIP 1MF | | 10V |
| C67 | 1-162-964-11 | CERAMIC CHIP 0.001MF | 10% | 50V |
| C68 | 1-162-941-11 | CERAMIC CHIP 10PF | 0.5PF | 50V |
| C69 | 1-135-158-21 | TANTAL. CHIP 15MF | 20% | 4V |
| C70 | 1-162-941-11 | CERAMIC CHIP 10PF | 0.5PF | 50V |
| C71 | 1-162-974-11 | CERAMIC CHIP 0.01MF | | 50V |
| C72 | 1-135-184-11 | TANTAL. CHIP 6.8MF | 20% | 4V |
| C73 | 1-164-156-11 | CERAMIC CHIP 0.1MF | | 25V |
| C74 | 1-162-966-11 | CERAMIC CHIP 0.0022MF | 10% | 50V |
| C75 | 1-164-005-11 | CERAMIC CHIP 0.47MF | | 25V |
| C76 | 1-164-005-11 | CERAMIC CHIP 0.47MF | | 25V |
| C77 | 1-162-964-11 | CERAMIC CHIP 0.001MF | 10% | 50V |
| C87 | 1-162-995-11 | CERAMIC CHIP 0.022MF | | 50V |
| C90 | 1-162-953-11 | CERAMIC CHIP 100PF | 5% | 50V |
| C94 | 1-164-238-11 | CERAMIC CHIP 36PF | 10% | 50V |
| C95 | 1-162-964-11 | CERAMIC CHIP 0.001MF | 10% | 50V |
| C102 | 1-135-073-00 | TANTAL. CHIP 0.33MF | 10% | 35V |
| C103 | 1-163-139-00 | CERAMIC CHIP 820PF | 10% | 50V |
| C104 | 1-162-995-11 | CERAMIC CHIP 0.022MF | | 50V |
| C105 | 1-162-965-11 | CERAMIC CHIP 0.0015MF | 10% | 50V |
| C106 | 1-163-810-00 | CERAMIC CHIP 0.03MF | 10% | 25V |
| C107 | 1-135-163-21 | TANTAL. CHIP 47MF | 20% | 4V |
| C108 | 1-164-004-11 | CERAMIC CHIP 0.1MF | 10% | 25V |
| C109 | 1-162-967-11 | CERAMIC CHIP 0.0033MF | 10% | 50V |
| C110 | 1-135-180-21 | TANTAL. CHIP 3.3MF | 10% | 4V |
| C111 | 1-164-174-11 | CERAMIC CHIP 0.0082MF | 10% | 25V |
| C112 | 1-162-967-11 | CERAMIC CHIP 0.0033MF | 10% | 50V |
| C113 | 1-135-091-00 | TANTAL. CHIP 1MF | 10% | 16V |
| C114 | 1-162-970-11 | CERAMIC CHIP 0.01MF | 10% | 25V |
| C115 | 1-135-145-11 | TANTAL. CHIP 0.47MF | 10% | 25V |
| C116 | 1-135-151-21 | TANTAL. CHIP 4.7MF | 20% | 4V |

| Ref.No. | Part No. | Description | | |
|---|---|---|---|---|
| C117 | 1-162-964-11 | CERAMIC CHIP 0.001MF | 10% | 50V |
| C118 | 1-135-151-21 | TANTAL. CHIP 4.7MF | 20% | 4V |
| C119 | 1-162-963-11 | CERAMIC CHIP 680PF | 10% | 50V |
| C121 | 1-162-964-11 | CERAMIC CHIP 0.001MF | 10% | 50V |
| C122 | 1-164-004-11 | CERAMIC CHIP 0.1MF | 10% | 25V |
| C123 | 1-163-989-11 | CERAMIC CHIP 0.033MF | 10% | 25V |
| C124 | 1-135-201-11 | TANTAL. CHIP 10MF | 20% | 4V |
| C125 | 1-162-970-11 | CERAMIC CHIP 0.01MF | 10% | 25V |
| C202 | 1-135-073-00 | TANTAL. CHIP 0.33MF | 10% | 35V |
| C203 | 1-163-139-00 | CERAMIC CHIP 820PF | 10% | 50V |
| C204 | 1-162-995-11 | CERAMIC CHIP 0.022MF | | 50V |
| C205 | 1-162-965-11 | CERAMIC CHIP 0.0015MF | 10% | 50V |
| C206 | 1-163-810-00 | CERAMIC CHIP 0.03MF | 10% | 25V |
| C207 | 1-135-163-21 | TANTAL. CHIP 47MF | 20% | 4V |
| C208 | 1-164-004-11 | CERAMIC CHIP 0.1MF | 10% | 25V |
| C209 | 1-162-967-11 | CERAMIC CHIP 0.0033MF | 10% | 50V |
| C210 | 1-135-180-21 | TANTAL. CHIP 3.3MF | 10% | 4V |
| C211 | 1-164-174-11 | CERAMIC CHIP 0.0082MF | 10% | 25V |
| C212 | 1-162-967-11 | CERAMIC CHIP 0.0033MF | 10% | 50V |
| C213 | 1-135-091-00 | TANTAL. CHIP 1MF | 10% | 16V |
| C214 | 1-162-970-11 | CERAMIC CHIP 0.01MF | 10% | 25V |
| C215 | 1-135-145-11 | TANTAL. CHIP 0.47MF | 10% | 25V |
| C216 | 1-135-151-21 | TANTAL. CHIP 4.7MF | 20% | 4V |
| C217 | 1-162-964-11 | CERAMIC CHIP 0.001MF | 10% | 50V |
| C218 | 1-135-151-21 | TANTAL. CHIP 4.7MF | 20% | 4V |
| C219 | 1-162-963-11 | CERAMIC CHIP 680PF | 10% | 50V |
| C221 | 1-162-964-11 | CERAMIC CHIP 0.001MF | 10% | 50V |
| C222 | 1-164-004-11 | CERAMIC CHIP 0.1MF | 10% | 25V |
| C223 | 1-163-989-11 | CERAMIC CHIP 0.033MF | 10% | 25V |
| C224 | 1-135-201-11 | TANTAL. CHIP 10MF | 20% | 4V |
| C225 | 1-162-970-11 | CERAMIC CHIP 0.01MF | 10% | 25V |
| C290 | 1-164-234-11 | CERAMIC CHIP 1MF | | 10V |
| C303 | 1-126-236-11 | CAP, ELECT 330MF | 20% | 2V |
| C304 | 1-124-947-11 | CAP, ELECT 220MF | 20% | 1.5V |
| C305 | 1-124-947-11 | CAP, ELECT 220MF | 20% | 1.5V |
| C306 | 1-164-004-11 | CERAMIC CHIP 0.1MF | 10% | 25V |
| C307 | 1-135-202-21 | TANTAL. CHIP 22MF | 20% | 4V |
| C308 | 1-135-180-21 | TANTAL. CHIP 3.3MF | 20% | 4V |
| C310 | 1-124-947-11 | CAP, ELECT 220MF | 20% | 1.5V |
| C311 | 1-135-158-21 | TANTAL. CHIP 15MF | 20% | 4V |
| C312 | 1-135-180-21 | TANTAL. CHIP 3.3MF | 10% | 4V |
| C313 | 1-164-004-11 | CERAMIC CHIP 0.1MF | 10% | 25V |
| C314 | 1-135-201-11 | TANTAL. CHIP 10MF | 20% | 4V |
| C315 | 1-135-151-21 | TANTAL. CHIP 4.7MF | 20% | 4V |
| C316 | 1-135-158-21 | TANTAL. CHIP 15MF | 20% | 4V |
| C317 | 1-135-180-21 | TANTAL. CHIP 3.3MF | 20% | 4V |
| C318 | 1-135-158-21 | TANTAL. CHIP 15MF | 20% | 4V |
| C319 | 1-135-170-21 | TANTAL. CHIP 6.8MF | 20% | 4V |
| C320 | 1-162-953-11 | CERAMIC CHIP 100PF | 5% | 50V |
| C321 | 1-162-964-11 | CERAMIC CHIP 0.001MF | 10% | 50V |
| C322 | 1-163-002-11 | CERAMIC CHIP 270PF | 10% | 50V |
| C323 | 1-163-132-00 | CERAMIC CHIP 430PF | 10% | 50V |
| C325 | 1-162-968-11 | CERAMIC CHIP 0.0047MF | 10% | 50V |
| C326 | 1-162-968-11 | CERAMIC CHIP 0.0047MF | 10% | 50V |
| C327 | 1-135-201-11 | TANTAL. CHIP 10MF | 20% | 4V |
| C328 | 1-163-016-00 | CERAMIC CHIP 0.0039MF | 10% | 50V |
| C329 | 1-124-576-11 | CAP, ELECT 220MF | 20% | 4V |

| Ref.No. | Part No. | Description | | |
|---|---|---|---|---|
| C330 | 1-162-970-11 | CERAMIC CHIP 0.01MF | 10% | 25V |
| C331 | 1-164-004-11 | CERAMIC CHIP 0.1MF | 10% | 25V |
| C332 | 1-135-202-21 | TANTAL. CHIP 22MF | 20% | 4V |
| C334 | 1-162-953-11 | CERAMIC CHIP 100PF | 5% | 50V |
| C335 | 1-126-236-11 | CAP, ELECT 330MF | 20% | 2V |
| C336 | 1-126-236-11 | CAP, ELECT 330MF | 20% | 2V |
| C337 | 1-124-576-11 | CAP, ELECT 220MF | 20% | 4V |
| C338 | 1-124-576-11 | CAP, ELECT 220MF | 20% | 4V |
| C339 | 1-126-117-11 | CAP, ELECT 330MF | 20% | 2V |
| C340 | 1-135-180-21 | TANTAL. CHIP 3.3MF | 10% | 4V |
| C341 | 1-126-236-11 | CAP, ELECT 330MF | 20% | 2V |
| C401 | 1-164-004-11 | CERAMIC CHIP 0.1MF | 10% | 25V |
| C402 | 1-135-201-11 | TANTAL. CHIP 10MF | 20% | 4V |
| C410 | 1-164-004-11 | CERAMIC CHIP 0.1MF | 10% | 25V |
| C411 | 1-135-201-11 | TANTAL. CHIP 10MF | 20% | 4V |
| C412 | 1-164-004-11 | CERAMIC CHIP 0.1MF | 10% | 25V |
| C413 | 1-135-201-11 | TANTAL. CHIP 10MF | 20% | 4V |
| C420 | 1-135-180-21 | TANTAL. CHIP 3.3MF | 10% | 4V |
| C501 | 1-135-201-11 | TANTAL. CHIP 10MF | 20% | 4V |
| C502 | 1-135-201-11 | TANTAL. CHIP 10MF | 20% | 4V |
| C503 | 1-164-234-11 | CERAMIC CHIP 1MF | | 10V |
| C601 | 1-135-149-21 | TANTAL. CHIP 2.2MF | 20% | 6.3V |
| C602 | 1-162-970-11 | CERAMIC CHIP 0.01MF | 10% | 25V |
| C603 | 1-162-970-11 | CERAMIC CHIP 0.01MF | 10% | 25V |
| C604 | 1-135-180-21 | TANTAL. CHIP 3.3MF | 10% | 4V |
| C605 | 1-135-180-21 | TANTAL. CHIP 3.3MF | 10% | 4V |
| C606 | 1-135-149-21 | TANTAL. CHIP 2.2MF | 20% | 6.3V |
| C607 | 1-162-970-11 | CERAMIC CHIP 0.01MF | 10% | 25V |
| C608 | 1-135-180-21 | TANTAL. CHIP 3.3MF | 10% | 4V |
| C609 | 1-164-330-21 | CERAMIC CHIP 0.22MF | 10% | 16V |
| CF1 | 1-577-129-11 | FILTER, CRYSTAL | | |
| CF2 | 1-577-129-11 | FILTER, CRYSTAL | | |
| CF3 | 1-567-920-21 | FILTER, CERAMIC | | |
| CT1 | 1-141-327-11 | CAP, VAR, TRIMMER (CHIP TYPE) | | |
| CT2 | 1-141-327-11 | CAP, VAR, TRIMMER (CHIP TYPE) | | |
| CT3 | 1-141-327-11 | CAP, VAR, TRIMMER (CHIP TYPE) | | |
| D1 | 8-719-939-02 | DIODE SVC203CP | | |
| D2 | 8-719-939-02 | DIODE SVC203CP | | |
| D3 | 8-719-951-05 | DIODE KV1560 | | |
| D51 | 8-719-420-51 | DIODE MA729 | | |
| D52 | 8-719-420-51 | DIODE MA729 | | |
| D53 | 8-719-420-51 | DIODE MA729 | | |
| D54 | 8-719-106-62 | DIODE RD11M-B2 | | |
| D55 | 8-719-420-51 | DIODE MA729 | | |
| D56 | 8-719-420-51 | DIODE MA729 | | |
| D57 | 8-719-105-58 | DIODE RD3.9M-B2 | | |
| D58 | 8-719-420-51 | DIODE MA729 | | |
| D301 | 8-719-404-16 | DIODE MA713 | | |
| D303 | 8-719-400-18 | DIODE MA152WK | | |
| D401 | 8-719-404-16 | DIODE MA713 | | |
| D501 | 8-719-976-16 | DIODE GL2PR90 | | |
| FL1 | 1-236-504-11 | FILTER, BAND PASS | | |
| HE901 | 1-543-657-11 | HEAD, MAGNETIC (ERASE) | | |
| HRP901 | 1-543-658-11 | HEAD, MAGNETIC (REC/PB) | | |

| Ref.No. | Part No. | Description |
|---|---|---|
| IC2 | 8-752-011-11 | IC CX20111 |
| IC3 | 8-759-945-89 | IC BA1362FS |
| IC4 | 8-759-146-01 | IC UPD1715G-581-24 |
| IC6 | 8-759-947-95 | IC S-8051HN-CD-S |
| IC301 | 8-752-030-34 | IC CXA1010M |
| IC302 | 8-759-230-88 | IC TA7793FN |
| IC303 | 8-759-805-09 | IC CXA1249M |
| IC304 | 8-759-805-02 | IC LA4538M |
| IC601 | 8-759-821-20 | IC LB1672M |
| J101 | 1-216-864-11 | METAL GLAZE 0 5% 1/16W |
| J102 | 1-216-864-11 | METAL GLAZE 0 5% 1/16W |
| J103 | 1-216-864-11 | METAL GLAZE 0 5% 1/16W |
| J105 | 1-216-864-11 | METAL GLAZE 0 5% 1/16W |
| J107 | 1-216-864-11 | METAL GLAZE 0 5% 1/16W |
| J108 | 1-216-864-11 | METAL GLAZE 0 5% 1/16W |
| J201 | 1-216-295-00 | METAL GLAZE 0 5% 1/10W |
| J202 | 1-216-295-00 | METAL GLAZE 0 5% 1/10W |
| J203 | 1-216-295-00 | METAL GLAZE 0 5% 1/10W |
| J204 | 1-216-295-00 | METAL GLAZE 0 5% 1/10W |
| J206 | 1-216-295-00 | METAL GLAZE 0 5% 1/10W |
| J208 | 1-216-295-00 | METAL GLAZE 0 5% 1/10W |
| J209 | 1-216-295-00 | METAL GLAZE 0 5% 1/10W |
| J210 | 1-216-295-00 | METAL GLAZE 0 5% 1/10W |
| J301 | 1-216-296-00 | METAL GLAZE 0 5% 1/8W |
| J302 | 1-216-296-00 | METAL GLAZE 0 5% 1/8W |
| J303 | 1-216-296-00 | METAL GLAZE 0 5% 1/8W |
| J304 | 1-216-296-00 | METAL GLAZE 0 5% 1/8W |
| J305 | 1-216-296-00 | METAL GLAZE 0 5% 1/8W |
| J307 | 1-216-296-00 | METAL GLAZE 0 5% 1/8W |
| J308 | 1-216-296-00 | METAL GLAZE 0 5% 1/8W |
| J309 | 1-216-296-00 | METAL GLAZE 0 5% 1/8W |
| J310 | 1-216-296-00 | METAL GLAZE 0 5% 1/8W |
| J311 | 1-216-296-00 | METAL GLAZE 0 5% 1/8W |
| J312 | 1-216-296-00 | METAL GLAZE 0 5% 1/8W |
| J313 | 1-216-296-00 | METAL GLAZE 0 5% 1/8W |
| J314 | 1-216-296-00 | METAL GLAZE 0 5% 1/8W |
| J315 | 1-216-296-00 | METAL GLAZE 0 5% 1/8W |
| J316 | 1-216-296-00 | METAL GLAZE 0 5% 1/8W |
| J317 | 1-216-296-00 | METAL GLAZE 0 5% 1/8W |
| J318 | 1-216-296-00 | METAL GLAZE 0 5% 1/8W |
| J319 | 1-216-296-00 | METAL GLAZE 0 5% 1/8W |
| JK301 | 1-569-262-11 | JACK 1P (MIC) |
| JK302 | 1-568-254-11 | JACK 1P (Ω) |
| JK401 | 1-568-255-11 | JACK, EXTERNAL POWER 1P (DC IN 1.5V) |
| JR1 | 1-216-864-11 | METAL GLAZE 0 5% 1/16W |
| JR2 | 1-216-864-11 | METAL GLAZE 0 5% 1/16W |
| JR3 | 1-216-864-11 | METAL GLAZE 0 5% 1/16W |
| JR6 | 1-216-864-11 | METAL GLAZE 0 5% 1/16W |
| JR7 | 1-216-864-11 | METAL GLAZE 0 5% 1/16W |
| JR8 | 1-216-864-11 | METAL GLAZE 0 5% 1/16W |
| JR10 | 1-216-864-11 | METAL GLAZE 0 5% 1/16W |
| JR11 | 1-216-864-11 | METAL GLAZE 0 5% 1/16W |
| JR12 | 1-216-864-11 | METAL GLAZE 0 5% 1/16W |
| L1 | 1-402-282-11 | ANTENNA, FERRITE-ROD (MW) |
| L2 | 1-459-590-11 | COIL (WITH CORE) |
| L3 | 1-459-590-11 | COIL (WITH CORE) |

| Ref.No. | Part No. | Description |
|---|---|---|
| L4 | 1-412-002-31 | INDUCTOR CHIP 4.7UH |
| L51 | 1-412-006-31 | INDUCTOR CHIP 10UH |
| L301 | 1-410-213-51 | INDUCTOR CHIP 56UH |
| L302 | 1-410-997-31 | INDUCTOR CHIP 2.2UH |
| L303 | 1-410-997-31 | INDUCTOR CHIP 2.2UH |
| L304 | 1-410-997-31 | INDUCTOR CHIP 2.2UH |
| L305 | 1-410-213-51 | INDUCTOR CHIP 56UH |
| L501 | 1-410-217-41 | INDUCTOR CHIP 120UH |
| LCD1 | 1-808-578-11 | DISPLAY PANEL, LIQUID CRYSTAL |
| M901 | 1-541-660-11 | MOTOR |
| MF1 | 1-577-261-21 | FILTER, CERAMIC |
| Q1 | 8-729-117-72 | TRANSISTOR 2SC4178 |
| Q2 | 8-729-905-XX | TRANSISTOR DTC114 |
| Q3 | 8-729-117-72 | TRANSISTOR 2SC4178 |
| Q4 | 8-729-807-87 | TRANSISTOR 2SB1295-UL6 |
| Q5 | 8-729-117-72 | TRANSISTOR 2SC4178 |
| Q6 | 8-729-420-27 | TRANSISTOR 2SD1819A-QRS |
| Q8 | 8-729-403-17 | TRANSISTOR XN1215 |
| Q9 | 8-729-905-XX | TRANSISTOR DTC114TU |
| Q10 | 8-729-402-16 | TRANSISTOR XN4608 |
| Q11 | 8-729-422-19 | TRANSISTOR XN4315 |
| Q51 | 8-729-220-93 | TRANSISTOR 2SK209G |
| Q52 | 8-729-420-27 | TRANSISTOR 2SD1819A-QRS |
| Q53 | 8-729-220-93 | TRANSISTOR 2SK209G |
| Q54 | 8-729-420-27 | TRANSISTOR 2SD1819A-QRS |
| Q55 | 8-729-420-27 | TRANSISTOR 2SD1819A-QRS |
| Q56 | 8-729-421-23 | TRANSISTOR XN1216 |
| Q57 | 8-729-421-23 | TRANSISTOR XN1216 |
| Q58 | 8-729-402-16 | TRANSISTOR XN4608 |
| Q60 | 8-729-402-16 | TRANSISTOR XN4608 |
| Q61 | 8-729-420-53 | TRANSISTOR UN5115 |
| Q62 | 8-729-807-87 | TRANSISTOR 2SB1295-UL6 |
| Q63 | 8-729-422-13 | TRANSISTOR XN8081 |
| Q64 | 8-729-905-XX | TRANSISTOR DTC114TU |
| Q65 | 8-729-402-96 | TRANSISTOR UN5114 |
| Q301 | 8-729-900-51 | TRANSISTOR DTA114TK |
| Q302 | 8-729-403-17 | TRANSISTOR XN1215 |
| Q303 | 8-729-403-17 | TRANSISTOR XN1215 |
| Q304 | 8-729-807-87 | TRANSISTOR 2SB1295-UL6 |
| Q305 | 8-729-421-23 | TRANSISTOR XN1216 |
| Q306 | 8-729-403-17 | TRANSISTOR XN1215 |
| Q307 | 8-729-807-87 | TRANSISTOR 2SB1295-UL6 |
| Q308 | 8-729-159-64 | TRANSISTOR 2SD596 |
| Q309 | 8-729-807-87 | TRANSISTOR 2SB1295-UL6 |
| Q310 | 8-729-421-23 | TRANSISTOR XN1216 |
| Q311 | 8-729-403-17 | TRANSISTOR XN1215 |
| Q313 | 8-729-403-17 | TRANSISTOR XN1215 |
| Q315 | 8-729-140-66 | TRANSISTOR 2SC4177-L5L6 |
| Q316 | 8-729-902-XX | TRANSISTOR DTC114TK |
| Q317 | 8-729-902-XX | TRANSISTOR DTC114TK |
| Q318 | 8-729-902-XX | TRANSISTOR DTC114TK |
| Q319 | 8-729-902-XX | TRANSISTOR DTC114TK |
| Q320 | 8-729-902-XX | TRANSISTOR DTC114TK |
| Q321 | 8-729-403-17 | TRANSISTOR XN1215-TW |
| Q401 | 8-729-900-51 | TRANSISTOR DTA114TK |
| Q402 | 8-729-902-XX | TRANSISTOR DTC114TK |

| Ref.No. | Part No. | Description | | | |
|---|---|---|---|---|---|
| Q403 | 8-729-902-XX | TRANSISTOR DTC114TK | | | |
| Q410 | 8-729-140-66 | TRANSISTOR 2SC4177-L5L6 | | | |
| Q411 | 8-729-140-66 | TRANSISTOR 2SC4177-L5L6 | | | |
| Q412 | 8-729-421-23 | TRANSISTOR XN1216 | | | |
| Q413 | 8-729-902-XX | TRANSISTOR DTC114TK | | | |
| Q414 | 8-729-117-16 | TRANSISTOR 2SA1611 | | | |
| Q415 | 8-729-117-16 | TRANSISTOR 2SA1611 | | | |
| Q416 | 8-729-421-23 | TRANSISTOR XN1216 | | | |
| Q422 | 8-729-140-66 | TRANSISTOR 2SC4177-L5L6 | | | |
| Q423 | 8-729-421-23 | TRANSISTOR XN1216 | | | |
| Q424 | 8-729-117-16 | TRANSISTOR 2SA1611-M6 | | | |
| Q425 | 8-729-902-XX | TRANSISTOR DTC114TK | | | |
| Q426 | 8-729-902-XX | TRANSISTOR DTC114TK | | | |
| Q501 | 8-729-117-16 | TRANSISTOR 2SA1611-M6 | | | |
| Q502 | 8-729-140-66 | TRANSISTOR 2SC4177-L5L6 | | | |
| Q503 | 8-729-902-XX | TRANSISTOR DTC114TK | | | |
| R1 | 1-216-829-11 | METAL GLAZE | 4.7K | 5% | 1/16W |
| R2 | 1-216-837-11 | METAL GLAZE | 22K | 5% | 1/16W |
| R3 | 1-216-833-11 | METAL GLAZE | 10K | 5% | 1/16W |
| R4 | 1-216-839-11 | METAL GLAZE | 33K | 5% | 1/16W |
| R5 | 1-216-837-11 | METAL GLAZE | 22K | 5% | 1/16W |
| R6 | 1-216-821-11 | METAL GLAZE | 1K | 5% | 1/16W |
| R7 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R8 | 1-216-853-11 | METAL GLAZE | 470K | 5% | 1/16W |
| R9 | 1-216-833-11 | METAL GLAZE | 10K | 5% | 1/16W |
| R10 | 1-216-853-11 | METAL GLAZE | 470K | 5% | 1/16W |
| R11 | 1-216-818-11 | METAL GLAZE | 560 | 5% | 1/16W |
| R12 | 1-216-853-11 | METAL GLAZE | 470K | 5% | 1/16W |
| R13 | 1-216-833-11 | METAL GLAZE | 10K | 5% | 1/16W |
| R14 | 1-216-853-11 | METAL GLAZE | 470K | 5% | 1/16W |
| R15 | 1-216-853-11 | METAL GLAZE | 470K | 5% | 1/16W |
| R16 | 1-218-272-11 | METAL GLAZE | 5.1K | 5% | 1/16W |
| R17 | 1-216-853-11 | METAL GLAZE | 470K | 5% | 1/16W |
| R18 | 1-216-841-11 | METAL GLAZE | 47K | 5% | 1/16W |
| R19 | 1-216-823-11 | METAL GLAZE | 1.5K | 5% | 1/16W |
| R20 | 1-216-821-11 | METAL GLAZE | 1K | 5% | 1/16W |
| R21 | 1-216-853-11 | METAL GLAZE | 470K | 5% | 1/16W |
| R22 | 1-216-821-11 | METAL GLAZE | 1K | 5% | 1/16W |
| R23 | 1-216-841-11 | METAL GLAZE | 47K | 5% | 1/16W |
| R24 | 1-216-845-11 | METAL GLAZE | 100K | 5% | 1/16W |
| R25 | 1-216-839-11 | METAL GLAZE | 33K | 5% | 1/16W |
| R26 | 1-218-345-11 | METAL GLAZE | 9.1K | 5% | 1/16W |
| R27 | 1-216-809-11 | METAL GLAZE | 100 | 5% | 1/16W |
| R28 | 1-216-833-11 | METAL GLAZE | 10K | 5% | 1/16W |
| R31 | 1-216-807-11 | METAL GLAZE | 68 | 5% | 1/16W |
| R32 | 1-216-837-11 | METAL GLAZE | 22K | 5% | 1/16W |
| R51 | 1-216-845-11 | METAL GLAZE | 100K | 5% | 1/16W |
| R52 | 1-216-845-11 | METAL GLAZE | 100K | 5% | 1/16W |
| R53 | 1-216-845-11 | METAL GLAZE | 100K | 5% | 1/16W |
| R54 | 1-216-845-11 | METAL GLAZE | 100K | 5% | 1/16W |
| R55 | 1-216-830-11 | METAL GLAZE | 5.6K | 5% | 1/16W |
| R56 | 1-216-830-11 | METAL GLAZE | 5.6K | 5% | 1/16W |
| R57 | 1-216-830-11 | METAL GLAZE | 5.6K | 5% | 1/16W |
| R58 | 1-216-830-11 | METAL GLAZE | 5.6K | 5% | 1/16W |
| R59 | 1-216-845-11 | METAL GLAZE | 100K | 5% | 1/16W |
| R61 | 1-216-857-11 | METAL GLAZE | 1M | 5% | 1/16W |
| R63 | 1-216-829-11 | METAL GLAZE | 4.7K | 5% | 1/16W |
| R64 | 1-216-833-11 | METAL GLAZE | 10K | 5% | 1/16W |
| R65 | 1-216-833-11 | METAL GLAZE | 10K | 5% | 1/16W |

| Ref.No. | Part No. | Description | | | |
|---|---|---|---|---|---|
| R66 | 1-216-830-11 | METAL GLAZE | 5.6K | 5% | 1/16W |
| R67 | 1-216-837-11 | METAL GLAZE | 22K | 5% | 1/16W |
| R68 | 1-216-828-11 | METAL GLAZE | 3.9K | 5% | 1/16W |
| R69 | 1-216-821-11 | METAL GLAZE | 1K | 5% | 1/16W |
| R70 | 1-216-845-11 | METAL GLAZE | 100K | 5% | 1/16W |
| R71 | 1-216-841-11 | METAL GLAZE | 47K | 5% | 1/16W |
| R72 | 1-218-272-11 | METAL GLAZE | 5.1K | 5% | 1/16W |
| R73 | 1-216-823-11 | METAL GLAZE | 1.5K | 5% | 1/16W |
| R75 | 1-216-828-11 | METAL GLAZE | 3.9K | 5% | 1/16W |
| R76 | 1-216-843-11 | METAL GLAZE | 68K | 5% | 1/16W |
| R78 | 1-216-821-11 | METAL GLAZE | 1K | 5% | 1/16W |
| R79 | 1-216-857-11 | METAL GLAZE | 1M | 5% | 1/16W |
| R80 | 1-216-857-11 | METAL GLAZE | 1M | 5% | 1/16W |
| R81 | 1-216-837-11 | METAL GLAZE | 22K | 5% | 1/16W |
| R82 | 1-216-843-11 | METAL GLAZE | 68K | 5% | 1/16W |
| R83 | 1-216-849-11 | METAL GLAZE | 220K | 5% | 1/16W |
| R86 | 1-216-837-11 | METAL GLAZE | 22K | 5% | 1/16W |
| R87 | 1-216-830-11 | METAL GLAZE | 5.6K | 5% | 1/16W |
| R88 | 1-216-821-11 | METAL GLAZE | 1K | 5% | 1/16W |
| R89 | 1-216-863-11 | METAL GLAZE | 3.3M | 5% | 1/16W |
| R90 | 1-216-863-11 | METAL GLAZE | 3.3M | 5% | 1/16W |
| R91 | 1-216-853-11 | METAL GLAZE | 470K | 5% | 1/16W |
| R95 | 1-216-830-11 | METAL GLAZE | 5.6K | 5% | 1/16W |
| R96 | 1-216-821-11 | METAL GLAZE | 1K | 5% | 1/16W |
| R97 | 1-216-829-11 | METAL GLAZE | 4.7K | 5% | 1/16W |
| R98 | 1-216-837-11 | METAL GLAZE | 22K | 5% | 1/16W |
| R99 | 1-216-857-11 | METAL GLAZE | 1M | 5% | 1/16W |
| R101 | 1-216-815-11 | METAL GLAZE | 330 | 5% | 1/16W |
| R102 | 1-216-831-11 | METAL GLAZE | 6.8K | 5% | 1/16W |
| R103 | 1-216-832-11 | METAL GLAZE | 8.2K | 5% | 1/16W |
| R104 | 1-216-821-11 | METAL GLAZE | 1K | 5% | 1/16W |
| R105 | 1-216-993-11 | METAL GLAZE | 2.4K | 5% | 1/16W |
| R106 | 1-216-833-11 | METAL GLAZE | 10K | 5% | 1/16W |
| R107 | 1-216-819-11 | METAL GLAZE | 680 | 5% | 1/16W |
| R108 | 1-216-819-11 | METAL GLAZE | 680 | 5% | 1/16W |
| R109 | 1-216-857-11 | METAL GLAZE | 1M | 5% | 1/16W |
| R110 | 1-216-840-11 | METAL GLAZE | 39K | 5% | 1/16W |
| R111 | 1-216-824-11 | METAL GLAZE | 1.8K | 5% | 1/16W |
| R112 | 1-216-839-11 | METAL GLAZE | 33K | 5% | 1/16W |
| R113 | 1-216-839-11 | METAL GLAZE | 33K | 5% | 1/16W |
| R114 | 1-216-994-11 | METAL GLAZE | 13K | 5% | 1/16W |
| R115 | 1-216-852-11 | METAL GLAZE | 390K | 5% | 1/16W |
| R116 | 1-216-821-11 | METAL GLAZE | 1K | 5% | 1/16W |
| R117 | 1-216-845-11 | METAL GLAZE | 100K | 5% | 1/16W |
| R118 | 1-216-833-11 | METAL GLAZE | 10K | 5% | 1/16W |
| R119 | 1-216-837-11 | METAL GLAZE | 22K | 5% | 1/16W |
| R120 | 1-216-793-11 | METAL GLAZE | 4.7 | 5% | 1/16W |
| R121 | 1-216-841-11 | METAL GLAZE | 47K | 5% | 1/16W |
| R122 | 1-216-830-11 | METAL GLAZE | 5.6K | 5% | 1/16W |
| R123 | 1-216-825-11 | METAL GLAZE | 2.2K | 5% | 1/16W |
| R124 | 1-216-845-11 | METAL GLAZE | 100K | 5% | 1/16W |
| R125 | 1-216-821-11 | METAL GLAZE | 1K | 5% | 1/16W |
| R201 | 1-216-815-11 | METAL GLAZE | 330 | 5% | 1/16W |
| R202 | 1-216-831-11 | METAL GLAZE | 6.8K | 5% | 1/16W |
| R203 | 1-216-832-11 | METAL GLAZE | 8.2K | 5% | 1/16W |
| R204 | 1-216-821-11 | METAL GLAZE | 1K | 5% | 1/16W |
| R205 | 1-216-993-11 | METAL GLAZE | 2.4K | 5% | 1/16W |

| Ref.No. | Part No. | Description | | | |
|---|---|---|---|---|---|
| R206 | 1-216-833-11 | METAL GLAZE | 10K | 5% | 1/16W |
| R207 | 1-216-819-11 | METAL GLAZE | 680 | 5% | 1/16W |
| R208 | 1-216-819-11 | METAL GLAZE | 680 | 5% | 1/16W |
| R209 | 1-216-857-11 | METAL GLAZE | 1M | 5% | 1/16W |
| R210 | 1-216-840-11 | METAL GLAZE | 39K | 5% | 1/16W |
| R211 | 1-216-824-11 | METAL GLAZE | 1.8K | 5% | 1/16W |
| R212 | 1-216-839-11 | METAL GLAZE | 33K | 5% | 1/16W |
| R213 | 1-216-839-11 | METAL GLAZE | 33K | 5% | 1/16W |
| R214 | 1-216-994-11 | METAL GLAZE | 13K | 5% | 1/16W |
| R215 | 1-216-852-11 | METAL GLAZE | 390K | 5% | 1/16W |
| R216 | 1-216-821-11 | METAL GLAZE | 1K | 5% | 1/16W |
| R217 | 1-216-845-11 | METAL GLAZE | 100K | 5% | 1/16W |
| R218 | 1-216-833-11 | METAL GLAZE | 10K | 5% | 1/16W |
| R219 | 1-216-837-11 | METAL GLAZE | 22K | 5% | 1/16W |
| R220 | 1-216-793-11 | METAL GLAZE | 4.7 | 5% | 1/16W |
| R221 | 1-216-841-11 | METAL GLAZE | 47K | 5% | 1/16W |
| R222 | 1-216-830-11 | METAL GLAZE | 5.6K | 5% | 1/16W |
| R223 | 1-216-825-11 | METAL GLAZE | 2.2K | 5% | 1/16W |
| R224 | 1-216-845-11 | METAL GLAZE | 100K | 5% | 1/16W |
| R225 | 1-216-821-11 | METAL GLAZE | 1K | 5% | 1/16W |
| R301 | 1-216-829-11 | METAL GLAZE | 4.7K | 5% | 1/16W |
| R302 | 1-216-001-00 | METAL GLAZE | 10 | 5% | 1/10W |
| R303 | 1-216-001-00 | METAL GLAZE | 10 | 5% | 1/10W |
| R304 | 1-216-851-11 | METAL GLAZE | 330K | 5% | 1/16W |
| R305 | 1-216-829-11 | METAL GLAZE | 4.7K | 5% | 1/16W |
| R306 | 1-216-833-11 | METAL GLAZE | 10K | 5% | 1/16W |
| R307 | 1-216-833-11 | METAL GLAZE | 10K | 5% | 1/16W |
| R308 | 1-216-833-11 | METAL GLAZE | 10K | 5% | 1/16W |
| R309 | 1-216-833-11 | METAL GLAZE | 10K | 5% | 1/16W |
| R310 | 1-216-845-11 | METAL GLAZE | 100K | 5% | 1/16W |
| R311 | 1-216-836-11 | METAL GLAZE | 18K | 5% | 1/16W |
| R312 | 1-216-853-11 | METAL GLAZE | 470K | 5% | 1/16W |
| R313 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R314 | 1-216-833-11 | METAL GLAZE | 10K | 5% | 1/16W |
| R315 | 1-216-824-11 | METAL GLAZE | 1.8K | 5% | 1/16W |
| R316 | 1-216-825-11 | METAL GLAZE | 2.2K | 5% | 1/16W |
| R317 | 1-216-845-11 | METAL GLAZE | 100K | 5% | 1/16W |
| R318 | 1-216-843-11 | METAL GLAZE | 68K | 5% | 1/16W |
| R319 | 1-216-845-11 | METAL GLAZE | 100K | 5% | 1/16W |
| R321 | 1-216-805-11 | METAL GLAZE | 47 | 5% | 1/16W |
| R322 | 1-216-825-11 | METAL GLAZE | 2.2K | 5% | 1/16W |
| R323 | 1-216-849-11 | METAL GLAZE | 220K | 5% | 1/16W |
| R324 | 1-216-841-11 | METAL GLAZE | 47K | 5% | 1/16W |
| R325 | 1-216-837-11 | METAL GLAZE | 22K | 5% | 1/16W |
| R326 | 1-216-821-11 | METAL GLAZE | 1K | 5% | 1/16W |
| R328 | 1-216-833-11 | METAL GLAZE | 10K | 5% | 1/16W |
| R329 | 1-216-821-11 | METAL GLAZE | 1K | 5% | 1/16W |
| R330 | 1-216-815-11 | METAL GLAZE | 330 | 5% | 1/16W |
| R331 | 1-216-829-11 | METAL GLAZE | 4.7K | 5% | 1/16W |
| R333 | 1-216-821-11 | METAL GLAZE | 1K | 5% | 1/16W |
| R334 | 1-216-833-11 | METAL GLAZE | 10K | 5% | 1/16W |
| R341 | 1-216-833-11 | METAL GLAZE | 10K | 5% | 1/16W |
| R342 | 1-216-837-11 | METAL GLAZE | 22K | 5% | 1/16W |
| R343 | 1-216-837-11 | METAL GLAZE | 22K | 5% | 1/16W |
| R348 | 1-216-821-11 | METAL GLAZE | 1K | 5% | 1/16W |
| R350 | 1-216-821-11 | METAL GLAZE | 1K | 5% | 1/16W |
| R401 | 1-216-845-11 | METAL GLAZE | 100K | 5% | 1/16W |
| R402 | 1-216-821-11 | METAL GLAZE | 1K | 5% | 1/16W |
| R403 | 1-216-845-11 | METAL GLAZE | 100K | 5% | 1/16W |
| R410 | 1-216-845-11 | METAL GLAZE | 100K | 5% | 1/16W |
| R411 | 1-216-845-11 | METAL GLAZE | 100K | 5% | 1/16W |
| R412 | 1-216-845-11 | METAL GLAZE | 100K | 5% | 1/16W |
| R413 | 1-216-833-11 | METAL GLAZE | 10K | 5% | 1/16W |
| R414 | 1-216-833-11 | METAL GLAZE | 10K | 5% | 1/16W |
| R415 | 1-216-833-11 | METAL GLAZE | 10K | 5% | 1/16W |
| R416 | 1-216-833-11 | METAL GLAZE | 10K | 5% | 1/16W |
| R417 | 1-216-833-11 | METAL GLAZE | 10K | 5% | 1/16W |
| R418 | 1-216-833-11 | METAL GLAZE | 10K | 5% | 1/16W |
| R419 | 1-216-833-11 | METAL GLAZE | 10K | 5% | 1/16W |
| R420 | 1-216-833-11 | METAL GLAZE | 10K | 5% | 1/16W |
| R421 | 1-216-833-11 | METAL GLAZE | 10K | 5% | 1/16W |
| R422 | 1-216-833-11 | METAL GLAZE | 10K | 5% | 1/16W |
| R423 | 1-216-845-11 | METAL GLAZE | 100K | 5% | 1/16W |
| R424 | 1-216-833-11 | METAL GLAZE | 10K | 5% | 1/16W |
| R425 | 1-216-827-11 | METAL GLAZE | 3.3K | 5% | 1/16W |
| R441 | 1-216-857-11 | METAL GLAZE | 1M | 5% | 1/16W |
| R442 | 1-216-857-11 | METAL GLAZE | 1M | 5% | 1/16W |
| R443 | 1-216-851-11 | METAL GLAZE | 330K | 5% | 1/16W |
| R445 | 1-216-825-11 | METAL GLAZE | 2.2K | 5% | 1/16W |
| R501 | 1-216-815-11 | METAL GLAZE | 330 | 5% | 1/16W |
| R502 | 1-216-837-11 | METAL GLAZE | 22K | 5% | 1/16W |
| R503 | 1-216-833-11 | METAL GLAZE | 10K | 5% | 1/16W |
| R504 | 1-216-817-11 | METAL GLAZE | 470 | 5% | 1/16W |
| R505 | 1-216-821-11 | METAL GLAZE | 1K | 5% | 1/16W |
| R506 | 1-216-813-11 | METAL GLAZE | 220 | 5% | 1/16W |
| R601 | 1-216-821-11 | METAL GLAZE | 1K | 5% | 1/16W |
| R602 | 1-216-835-11 | METAL GLAZE | 15K | 5% | 1/16W |
| R603 | 1-216-037-00 | METAL GLAZE | 330 | 5% | 1/10W |
| R604 | 1-216-075-00 | METAL GLAZE | 12K | 5% | 1/10W |
| R605 | 1-216-830-11 | METAL GLAZE | 5.6K | 5% | 1/16W |
| R606 | 1-216-849-11 | METAL GLAZE | 220K | 5% | 1/16W |
| RV1 | 1-237-927-11 | RES, ADJ, CERMET 10K | | | |
| RV301 | 1-238-450-11 | RES, VAR, CARBON 10K/10K (VOLUME) | | | |
| RV601 | 1-238-088-11 | RES, ADJ, CERMET 2.2K | | | |
| S1 | 1-571-533-31 | SWITCH, KEY BOARD (RADIO ON/OFF,BAND) | | | |
| S2 | 1-571-533-31 | SWITCH, KEY BOARD (PRESET TUNING) | | | |
| S3 | 1-570-204-21 | SWITCH, KEY BOARD (ENTER) | | | |
| S4 | 1-570-204-21 | SWITCH, KEY BOARD (SCAN -) | | | |
| S5 | 1-570-204-21 | SWITCH, KEY BOARD (SCAN +) | | | |
| S6 | 1-571-275-11 | SWITCH, SLIDE (FM MONO/ST) | | | |
| S301 | 1-571-275-11 | SWITCH, SLIDE (PB EQ) | | | |
| S302 | 1-571-275-11 | SWITCH, SLIDE (DOLBY NR PB) | | | |
| S303 | 1-571-506-11 | SWITCH, SLIDE (MEGA BASS) | | | |
| S305 | 1-571-506-11 | SWITCH, SLIDE (ISS) | | | |
| S307 | 1-572-039-11 | SWITCH, SLIDE | | | |
| S308 | 1-572-039-11 | SWITCH, SLIDE | | | |
| S601 | 1-572-050-11 | SWITCH, PUSH (1 KEY) | | | |
| S602 | 1-572-050-11 | SWITCH, PUSH (1 KEY) | | | |
| S603 | 1-572-050-11 | SWITCH, PUSH (1 KEY)(DIR) | | | |
| T1 | 1-404-690-11 | TRANSFORMER, IF | | | |
| T2 | 1-406-177-11 | COIL | | | |
| T3 | 1-449-021-21 | TRANSFORMER, DC-DC CONVERTER | | | |
| T301 | 1-466-282-11 | OSCILLATION TRANS UNIT, BIAS | | | |
| X1 | 1-577-262-11 | VIBRATOR, CRYSTAL (75kHz) | | | |

ACCESSORY & PACKING MATERIAL

| | |
|---|---|
| 1-542-116-11 | MICROPHONE |
| 3-750-809-11 | MANUAL, INSTRUCTION |
| 8-952-350-90 | HEADPHONE MDR-E454 SET |
| 9-911-839-XX | CUSHION, LOCK PLATE |
| X-3336-715-1 | STAND ASSY, MICROPHONE |
| X-3352-032-1 | CLIP ASSY, BELT |

9-955-607-11

Sony Corporation
Audio Group



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# WM-BF608

SONY
# SERVICE MANUAL

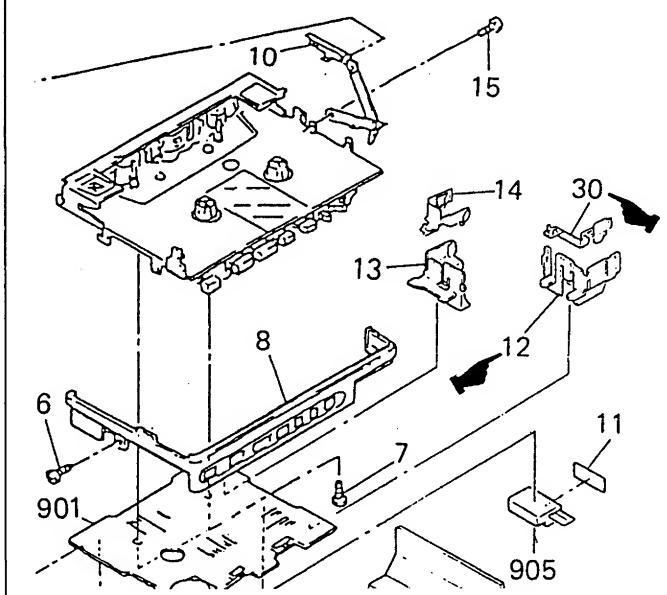
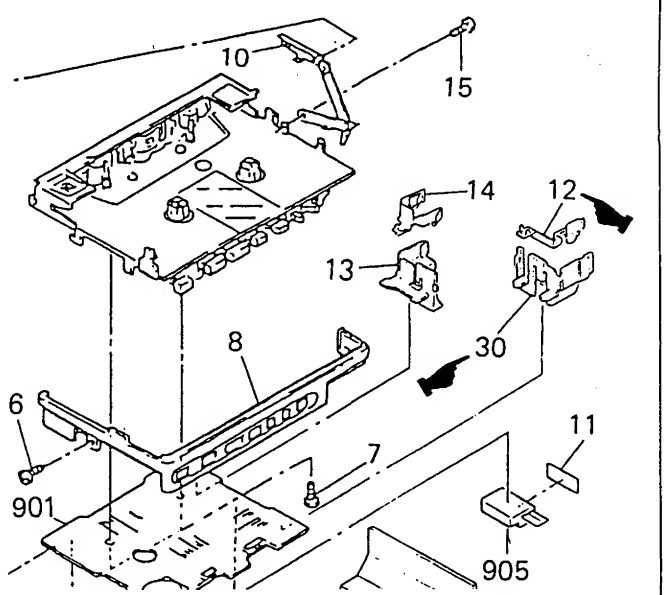
*E Model*

# CORRECTION-1

File this Correction with the Service Manual.

- **EXPLODED VIEWS**
  **5-1. CABINET** (Service Manual see page 24.)

☛ : **Correct portion**

| INCORRECT | CORRECT |
|---|---|
|  |  |





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